

# THE PICK & SHOVEL

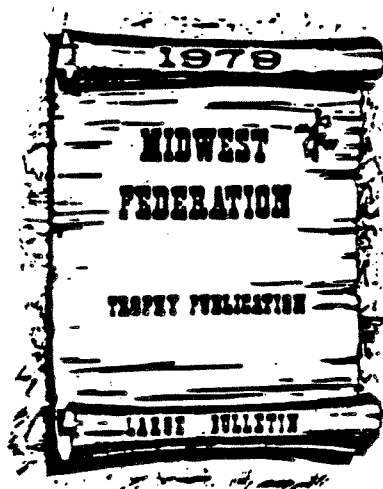


DECEMBER 1985

In this issue ....Comet Philosophy of a German  
Octagenerian

MEMBER-abilia=Ewald Paul  
Library Additions  
AGATE FOSSIL BEDS

Activities/Information Form



OFFICIAL PUBLICATION OF

Lincoln Gem and Mineral Club, Inc.

P. O. Box 5342

Lincoln, Nebraska 68505

LINCOLN GEM AND MINERAL CLUB, INC.  
P.O. BOX 5342, Lincoln, NE. 68505-0342

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, particularly youth and student groups.

MEMBER: American Federation of Mineralogical Societies (AFMS)  
Midwest Federation of Mineralogical and Geological Societies (MWF)  
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)  
Nebraska Academy of Sciences (NAS) (Life membership)  
Community Arts Council of Lincoln (CAC)

Regular Meetings: 4th Saturday of the month, September thru May: 7:30 P.M.  
At Nebraska Center, 33rd & Holdrege

1985 ELECTED OFFICERS:

President .....	Claude Scott	4917 Normal Blvd.	Lincoln, 68506	488-0739
1st Vice Pres....	Roger Pabian	315 'D' St.	Lincoln, 68502	474-2034
2nd Vice Pres....	Linda Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Secretary.....	Vera Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Treasurer.....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....	Mark Mercier	3316 'R' St.	Lincoln, 68502	476-6242
Board Member....	Jim Stewart	1339 Eastridge Dr.	Lincoln, 68510	489-2867
Board Member....	Marie Taylor	910 New Hampshire	Lincoln, 68508	476-3707
Board Member....	Janet Wright	3715 S. 33rd St.	Lincoln, 68508	488-1884

NOMINATING COMMITTEE -- 3 years: Vera Lyman, John Lewis  
2 years: Jim Parks, Ervin Marshall  
1 year: Richard Haney, Wilfrid Wittmann  
Jim Taylor, Chairman

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Marie Taylor, Vera Lyman      3 years - Jim Taylor, Irl Everett  
2 years - John Abel, Roger Pabian      Jim Taylor, Chairman

STANDING COMMITTEE CHAIRPEOPLE:

Calling.....	Phyllis Parks	Membership.....	Linda Parks
	Marie Wells	MWF Liaison.....	Marie Taylor
Education/Publicity...	Roger Pabian	Programs.....	Bob & Mary Walker
Historian.....	John & Lillie Lewis	Scholarships.....	Marie Taylor
Hospitality.....	Susan Taylor	1985 Rockhound/yr...	Roger Pabian
Housing/Property.....	Claude Scott	1985 Annual Show....	Vera Lyman
Junior Activities.....	Janet Wright	1986 Annual Show....	Fred Holbert
Librarian.....	Jim Parks	Christmas Party....	Marie Taylor

AUDITING COMMITTEE 1984.....John Abel, Ervin Marshall  
Virginia Green, Phyllis Parks, Treas.

PICK & SHOVEL STAFF:

Editor.....David Heffelbower 1819 Washington, Lincoln, NE 68502  
Asst. Editor....Vera Lyman 420 N. 56th St. Lincoln, NE 68504 (NAOESCI)  
Sunshine Corner..Susan Taylor  
Reporters.....Julius Young, "CLUB MEMBERS"

DEADLINE: 1st of Month of Issue. Original articles may be reprinted if credit is given the author and THE PICK & SHOVEL and a copy of the publication is sent to the Editor.

## Calendar of Events

**GENERAL MEETING:**

The December general meeting will be the Christmas party ;Saturday Dec. 7 at the Nebraska Center, 33rd. and Holdrege.

Gift exchange for those who wish to participate.

Irl Everett will present the program: a slide presentation about "The Grotto of the Redemption".

**YOUTH MEETING:**

Due to the Christmas party there will be no formal meeting of the youth group.

**BOARD MEETING:**

December 12 - 7:30 P.M. at the home of Bob and Janet Wright, 3715 South 33rd. St.

**JANUARY BOARD MEETING:**

The January board meeting will be a joint meeting of the 1985 and 1986 officers. It will be held Monday, Jan. 6, 7:30 P.M. in the American Charter building- 40th & South

## Regional Show Schedule 1986

36 dates and locations for all Regional Shows and Conventions. The combined American Federation Show and Convention will be held in South Bend, Indiana in conjunction with the Midwest Federation Show and Convention.

<p>CALIFORNIA Sacramento California June 25-27</p>	<p>EASTERN Providence Rhode Island October 25-26</p>	<p>MIDWEST South Bend Indiana July 17-20</p>	<p>NORTHWEST Medford Oregon August 8 - 10</p>	<p>ROCKY MOUNTAIN Phoenix Arizona November 21-23</p>	<p>SOUTH CENTRAL Corpus Christi Texas March 7-9</p>
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# Don't Miss This!

DUE TO CHANGE in Editorial Staff, please send all exchange bulletins to the following:

LINCOLN GEM & MINERAL CLUB, INC.  
P. O. Box 5342  
Lincoln, NE 68505-0342

This will be the permanent address for all exchange bulletins being sent to Lincoln Gem & Mineral Club.

THANK YOU

HELLO FROM THE SUNSHINE CORNER:

May the wonder of Christmas  
make its home in your heart!

Hope Santa is good to all of you and  
leaves slabs, geodes, specimens, findings  
and equipment in your stockings this year!



The Taylors wish you all a warm,  
wonderful and Blessed holiday season!

Susie ("Snowflake") Sunshine

\* \* \* \* \*

Comet Philosophy of a German Octagenerian

Many people ask me have I seen der comet. Vell, no.  
Not yet. Maybe dey tink I am too olt und over der hill. Ach  
Himmel! It vas yust too cloudy.

Tonight maybe I try again. I vill drink some schnapps  
und den I vill look through a stovepipe und maybe I zee der  
comet.

Did I zee der comet seventy-fife years ago? Donner vet-  
ter und blitzen! Ja! Dat vas somethin' to zee! Effry time I  
tink of it der comet gets brighter.

If it stays cloudy effry night, I yust vait anudder  
seventy-fife years. I vill den be a hunnert und fifty-nine  
years olt. Impossible, you say? Nein! I yust drink some  
sauerkraut-flavored Comet Cola und eat a lot of dem vitamin  
comet pills. Den I vill zee der comet again. Wunderbar!

--Gilbert Lueninghoener

## President's Message

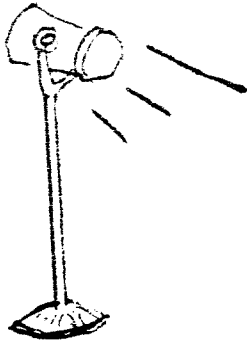
This will be my last "message". I want to take this opportunity to thank every person who gave me assistance this past year. I am indebted to many of you for your help in operating the club in 1985. There was so much to learn. I did learn a great deal during the year (though I'm sure not enough). You are a great bunch of people.

You have elected a very good group of officers and board members for the coming year. Please give them all the help and support that you possibly can.

At this Holiday season, I hope everyone who reads this page will spend a few minutes to think about the real meaning of Christmas.

Gail Clare and I want to wish all of you a Merry Christmas and a Happy New Year.

*Claude Scott*



MEMBER-abilia

Ewald Paul

Ewald attended the first Lincoln Gem & Mineral Club meeting over 30 years ago and became a member later that year. As one of the first members, he has spent many hours working at our shows and attending meetings.

Ewald is a toolmaker by trade and a handyman by experience. He has taught school at Milford--sharing the secrets of a good machinist. That's one of the most important qualities in a LGMC member: sharing. Ewald always shares the work. He always lends a hand.

Ewald is interested in many aspects of our hobby. For him rockhounding is "creative and rewarding." His displays at the shows reflect these feelings. Ewald has a large collection of slabs and enjoys cutting and polishing.

When you see Ewald at the meetings or shows, Paul Brauch will often be with him. Paul hasn't been in the club that long, but he and Ewald have known each other for many years. They were co-workers at Elgin Watch back in 1947!

submitted by Linda Parks  
with the help of Paul Brauch,  
Irl Everett, and Phyllis Parks

Library Additions

- Archie, G. E. (1941). "The Electrical Resistivity Log as an Aid in Determining Some Reservoir Characteristics." Bound with Kohl, J., Newacheck, R. L., and Anderson, E. E. "Gaseous and Liquid Tracers for Underground Studies."
- Burchett, R. R. (1971). "Directory of Nebraska Quarries, Pits, and Mines." Nebraska Geological Survey Resource Report No. 5.
- Condra, G. E. and Reed, E. C. (1959). "The Geological Section of Nebraska." Nebraska Geological Survey Bulletin 14A.
- Gardner, E. D. (1950). "Guide to Prospecting for Lode Gold." Bound with Clawson, M. "Locating Mining Claims on the Public Domain."
- Parsons, C. J. and Soukup, E. J. (1957). "Gem Materials Data Book."
- Svoboda, R. F. (1962). "Preliminary Report: Geology of the Richfield Anticline in Eastern Nebraska."
- Valentine, R. M. (1960). "A Subsurface Geological Study of the Redfield Gas Storage Area."
- Wallace, S. R. and Olson, J. C. (1956). "Thorium and Rare-Earth Minerals in Powderhorn District, Gunnison County, Colorado." Geological Survey Bulletin 1027-0.
- "Black Hills Mineral Atlas, South Dakota: Part 1." Bureau of Mines Staff, Region V. (1954).
- "Carrara Marble: Touchstone of Eternity." National Geographic, July 1982, V. 162, No. 1.
- "Search for the First Americans." National Geographic, Sept. 1979, V. 156, No. 3.

donated by Irl Everett

LINCOLN GEM & MINERAL CLUB, INC. - BOARD OF DIRECTORS - Nov. 7, 1985

The meeting was called to order by Pres. Scott on Nov. 7, 1985, 7:30 P.M. at American Charter Bldg., 40th & South St. with 6 Board Members present.

Minutes of the Oct. Meeting were read. Motion for approval by Phyllis Parks, 2nd by Janet Wright. Motion carried.

Treasurer's Report was read. Motion for approval by Marie Taylor, 2nd by Vera Lyman. Motion carried.

BILLS: Paid but presented for approval:

\$ 17.00 Lapidary Journal - Postage for 2 boxes of Lap. Journals  
 74.22 NE Center - Sept. (Room=45.00 Refreshments=29.22)  
 33.00 Security Storage - November  
 67.83 UN Printing - Oct. Pick & Shovel  
 4.00 Janet Wright - Refreshments Oct. Meeting

Presented for payment & approval:

\$ 4.59 Phyllis Parks - Rental of Projector; cups  
 33.00 Security Storage - December

Motion for approval by Janet Wright, 2nd by Linda Parks. Carried.

OLD BUSINESS:

Motion was made by Vera Lyman that the proceeds (\$ 176.00) from the 1982 Show "Bumper Sticker Project" be donated to the Howard & Marie Taylor Scholarship Fund. Second by Janet Wright. Motion carried.

This was one of Howard's last Show projects. The Board considered it appropriate. Marie expressed ther Thanks to the Board

NEW BUSINESS:

President expressed the need to notify corresponding Clubs, etc, of the change in Editor for Pick & Shovel. Since copies go to all exchanges and regional & National officers, the notice will be published in the Pick & Shovel itself.

The new Editor of Lapidary Journal wished to eliminate extra copies of Lapidary Journal. For payment of postage only, they sent 2 boxes to LGMC. These copies will be used first, to update the Club Library; second, a copy of each remaining issue for Juniors; third, remainder to be distributed to Club members desiring them at General Meetings.

In 1986, the "Gem Palette" will be \$ 2.00 per subscription. Motion by Vera Lyman that Board recommend to rank & file that Club pick up Subscriptions for Club Members as in years past. 2nd by Marie Taylor. Motion carried.

Show Chairman had been invited to Board Meeting but had conflict with Choir so could not attend.

Phyllis Parks suggested that MWF & NAOESCI dues be paid by Jan. Board Meeting to avoid duplication on Financial Statement.

Janet Wright is working on All-American Award. Needs materials and help. If you've done some special things, please report to Jan.

Question was raised whether we had a delegate attend the State Assoc. Meeting at North Platte.

Meeting adjourned. Dec. Board Meeting at Janet Wright's home on Dec. 12.

Respectfully Submitted,

*Vera Lyman*  
 Vera Lyman, Secretary

LINCOLN GEM & MINERAL CLUB, INC. - GENERAL MEETING - Nov. 23, 1985

The meeting was called to order by Pres. Scott on Nov. 23, 1985 at 7:30 P.M. in the Norfolk Rm. at NE Center with 7 Board Members present. Hospitality Chairperson, Susan Taylor reported 29 Adult and 2 Junior members were present.

Motion for approval of minutes for Oct. Meeting as printed by Irl Everett, 2nd by Wilfrid Wittmann. Motion carried.

Motion for approval of treasurer's report as printed by Wilfrid Wittmann, 2nd by Frank Rule. Motion carried.

OLD BUSINESS:

Janet Wright is compiling material for the All American Award. She mentioned some of the things she could use and requested they be submitted to her.

Anyone having material they wish to have published in the Pick & Shovel must have it submitted to any Board Member by the 1st of the month.

Subscriptions to Gem Palette will be \$ 2.00 in 1986. Recommendation of the Board was for the Club to pay for subscriptions for member families as it has done in the past. Motion was made by Susan Taylor, 2nd by Richard Miller to carry out recommendations of Board. Motion carried.

Christmas Party Chairperson, Marie Taylor reported that party arrangements are all made. Reservations and monies must be in to Phyllis P. by Dec. 2. Irl Everett will be presenting the program on "Grotto of the Redemption".

SHOW REPORT:

Show Chairman, Fred Holbert reported only 2 dates available for Show at Ag Center. (March 15 & 16 or May 17 & 18) So far it was just a 2-man Show Committee. (Fred H. & Roger P.) Phyllis Parks volunteered to take care of ticket sales. Chairman will draft members from Club to demonstrate at Show.

ELECTION:

As required in by-laws, nominations called for from Floor:

OFFICE	MOTION TO CEASE	SECOND
President	Irl Everett	Richard Miller
1st Vice	Wilfrid Wittmann	Dave Heffelbower
2nd Vice	Susan Taylor	Wilfrid Wittmann
Secretary	Linda Parks	Richard Miller
Treasurer	Richard Miller	Lois Everett
Board	Dave Heffelbower	Jim Taylor
Nominating Comm.	Tom Simmons	Wilfrid Wittmann - Carried

Susan Taylor, Richard Miller, Irl Everett

Motion by Susan Taylor that we elect Board of Directors by acclamation and ballot vote of Nom. Comm. only. 2nd by Roger Pabian. Carried. Jim Taylor & his Nom. Comm. counted ballots. Richard Miller & Irl Everett were elected.

Motion to destroy ballots by Vera Lyman, 2nd by Roger Pabian.

Program on "Diamonds" presented by Roger. Thanks, and good to see you back.

Respectfully submitted,

*Vera Lyman*  
Vera Lyman, Secretary

## AGATE FOSSIL BEDS

The title suggests both agates and fossils, either of which may interest rockhounds. Here the emphasis will be on the agatized deposits near Harrison in N.W. Nebraska's panhandle, believed by scientists to be one of the world's greatest vertebrate fossil bed discoveries.

James Denney's feature in the Magazine Section, Sunday world-Herald (Omaha), Nov. 24, 1985, roused my memory back to the summer of 1919 when I made the first of several visits to that great Nebraska attraction. I had attended a Y.W.C.A. convention of college students as one of three students from Wayne State Normal, now State College. (We hiked to several fascinating places near the meeting grounds in Estes Park, Colorado, and some of us climbed Long's Peak!)

My return railroad fare permitted side-trips, so I visited my oldest brother, at that time a pioneer irrigation farmer and rancher near Mitchell, bordering the dryland "Kinkaid's". We visited local features, a rodeo and irrigation dams. The real charmer was the 50 mile Model-T Ford trip from Mitchell across the upland "Kinkaid's" between the North Platte and the Niobrara Valleys to the already renowned Capt. James H. Cook's Agate Springs Fossil Beds.

There was no marked trail or highway to follow. I wore a small magnetic compass on my leather watch fob (no wrist-watch) and that guided brother Fred's open car through the rough, unmarked range-land, following cattle trails and fence lines. I opened and closed barbed wire fences, some just loosened and driven over (no electric fences yet!). I remember no open "cattle-guard" gateways. The barbed wire gates were primitive and loved only by a Kinkaid. I opened 30 of them going, and the same number returning. (yes, I did close them too!)

Finally we arrived at the Fossil Beds Ranch where we met with great cordiality. We met the Captain's brother who was also the Postmaster at the tiny "Agate, NE" P.O. (no zip codes to enhance it yet!) Capt. James, himself gave us the personal attention which was his charming way with visitors.

We were shown many interesting artifacts, and especially things relating to the great Chief Red Cloud, including the only portrait painting of the chief, still hanging above where he posed for the artist during the painting. Also a place near the ranch house was marked to commemorate Red Cloud's last sleep at the ranch. We were given a tour of the fossil bearing hills, and met the men from the American Museum there on a fossil obtainment mission.

The National Park Service administers the over 2,000 acre tract, which was designated as a National Monument in the early 1960's. It is almost in the center of N.W. Nebraska's long Sioux County. Plans are being made for a \$2,200,000 building and museum to be constructed about 1990, or probably earlier if partly funded by some other organization; but a small portable trailer still houses the visitor center and a few displays of artifacts and fossils; inadequate for an area with so much historical and scientific interest!

## AGATE FOSSIL BEDS - continued

This area is considered by experts to be one of the world's richest deposits of miocene fossils, when mammals first appeared, maybe 21,000,000 years ago. Scientists are not in agreement about the exact length of time, but rather a short span compared with many other forms of life on earth.

I shall give some of the Captain's explanation of how and when he came in possession of such a treasure as the Agate Springs Fossil Beds Ranch. I consulted my autographed copy of his rare book "Fifty Years On The Old Frontier", Yale University Press, 1923. (This book has been reprinted, at least in part, by other publishers.) In my 291 page hardbound volume there is a comprehensive section, "The Agate Springs Fossil Beds", with several pictures, some of which I saw being photographed in 1919, during that first visit there.

In that supplement James H. Cook, (a relative of the renowned explorer, Captain Cook, 1728-1779) tells of his acquaintance with a physician, Dr. E. B. Graham and his family. He fell in love with the doctor's charming daughter, Kate. They were married in 1886, and in 1887 he bought his father-in-law's cattle interests and Niobrara River Ranch and changed the name from "O-4" to "Agate Springs Ranch". His son, Harold grew up there, and in 1968 Uni. of Neb. Press published his hard-bound book, "Tales Of The O-4 Ranch", telling much of the early history between 1887 and 1909.

The fame of the Agate Fossil Beds is like many other worthy features often over-looked by "the home folks", but here the world's scientists have "beaten a path to its door." On my first visit there in 1919, just an interested novice, I met Dr. Erwin H. Barbour, University of Nebraska; Albert Thomson, in charge of field work for the American Museum of Natural History, New York; and Henry Fairfield Osborn, President of the American Museum of Natural History.

Those important scientists were removing a huge bone slab, containing fossil bones of 20 rhinoceros skeletons, for the American Museum, New York. At that time I had no realization that in a little over one year's time, as a reporter for the University of Nebraska's Daily Nebraskan, I would have the pleasure of frequently interviewing Dr. Barbour for State Museum news. He was always kind and helpful.

- Submitted by J. D. Young

Dear Lincoln Gem and Mineral Club members,

I have decided to revise and greatly improve my computer program on rocks. I am planning to include a rock trivia quiz and a section called "Guess this rock" in which clues will be given and the person asked to guess which rock is being described (its modeled after 20 questions). If you know any interesting rock trivia that would interest the general public, or if you have any other suggestions for computer rock games, please send them to: Anne Crawford, 3510 Everett St., Lincoln, NE 68506. Or tell me at the January swap. Your ideas will be greatly appreciated and may help with an interesting display for the show.

Thank-you,  
Anne Crawford  
Junior Member  
Lincoln Gem and Mineral Club, Inc.

P.S. I could really use some donations of common fossils, rocks or minerals for the Rock Identification part of the program. If you have some materials that I may have or borrow, please bring them to me during the January Swap.

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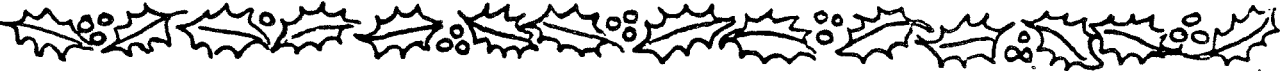
THANK YOU, ROGER! I wanted to thank-you for rescuing me at the last moment by providing a program for the November meeting. "Diamonds" was an excellent presentation. I was surprised that there are so many other materials (like garnets) which nature has included in her most perfect creation, or at least I'd thought diamonds were perfect until your program. Now that I've seen their imperfections, I think I appreciate them more. --Also a special thanks to Jan Wright and my mother for contacting Roger.

Most appreciatively yours,  
Linda M. Parks

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THE 8th ANNUAL INDOOR SWAP

The Lincoln Gem and Mineral Club (that's us folks) will be having their Eighth Annual Indoor Winter Swap on January 25, 1986. Come to the Nebraska Center for Continuing Education, 33rd and Holdrege Streets. Get your rocks, gems, minerals, fossils, and stories ready to swap. For more information, read the January Pick & Shovel.



WE ARE DUE



Exchange Page

WHAT AM I?

I am created of the admixture of Earth's minerals formed by the alchemy of time

I am born transformed in the blasting heat of firey furnaces

In molten mass I am tediously fashioned by the hand of cunning Artisan--or fed into the maw of intricate machine

I assume ten thousand hues of all the spectrum--either transparent, translucent or opaque--upon my maker's will

I can masquerade as ruby, emerald, topaz, moonstone and all the other priceless jewels of man

But frivolous baubles are not my aspiration--I serve ten million purposes in as many different places, forms and ways

My duties are unnumbered--infinite; pay heed to my utility

I admit the Heavenly light to hovel, palace or cathedral, and yet repel cold winter's howling breath

I faithfully project the light that warns great ships from shoal and concentrate the beams that guide swift vehicles through storm and gloom of night to bring the wayfarer safe home

I visibly contain my master's food--his drink--and countless other of his commodities; protecting them in transport and in the mart and home

I form the shell of flowing bulb and tube to diffuse his artificial light--and to disseminate his advertising

I am the walls of his abode, his office and his factory--and the objects of utility and art in each of these

I reflect his image--and mark the effects of time upon his person--sometimes I flatter but more often am critically severe

I correct his impaired sight and thus bestow enjoyment of the printed word--and all of Nature's beauties roundabout

I magnify his minute, unseen enemies and thereby do I promote his health and happiness

I form the gossamer thread from which is fashioned fine raiment--yet too the insulation of his dwelling

I reveal to him the mysteries of His Universe--carrying his vision to the illimitable reaches of the outer stars

Through me he learned to chart the Firmament--to plot the orbits of the Planets and predict the courses of the Comets and Eclipses

This knowledge I unfold is but the pledge of vast knowledge as--step by step--I lead him to unexplored, immeasurable spaces

(con't from p. 8)

For I am older than the Pyramids but newer than tomorrow's unborn dawn--  
withal the marks of time affect me not for I am ageless and retain my  
lustrous beauty permanently

Some of my tasks I have recounted--but this is only the beginning;  
for those who make me and adapt me to their uses, are men of vision--  
and together, as time unfolds, we will go far

And so--in modesty I proclaim--I am Man's invaluable and versatile  
servant--I am GLASS.

by George J. Overmyer, 1940  
via PEGMATITE & GLACIAL DRIFTER  
via PICK AND CHISEL

TURQUOISE: At the time that Columbus was discovering America, the  
Indians were operating underground mines for turquoise, emeralds,  
obsidian and quartz. Los Carillos turquoise mine near Sante Fe, New  
Mexico, reached its peak about 1, 200 years ago.

from DIGGIN'S FROM DAKOTA  
via THE CYCAD

SHOP TIP: To clean fragil specimens, put them in a bowl and sprinkle  
them with false-teeth cleaner. Fill the bowl slowly with water. Allow  
the cleaner to finish bubbling and then rinse the specimen with a gentle  
stream of water. You will be amazed.

From THE CUBIC SYSTEM ROCKHOUND NEWSLETTER  
via CHIPS & FACETS  
via THE BLACKHILLS PROSPECTOR

CHRISTMAS IDEA: A polished slab from a hollow geode can be made into  
a wonderful frame for a cherished picture.

via ROCKHOUND ROUNDUP  
via GEMTIME  
via THE BEACHCOMBER  
via GEM CITY ROCK NEWS

SHOP TIP: Algae and lichens may be removed from specimens by soaking  
in a solution of ammonia and water.

via Gem-I-Ni and numerous others

NO HELP AT ALL: Did you know that one way to distinguish a rock from a  
mineral is: A mineral always has a definite chemical formula, which  
a rock does not have. So the next time you pick up something out on  
a field trip, and you wonder whether it is just a rock, look carefully  
on the back side...If you see a formula there, you will then know it  
is not a rock!!!

from BRECCIA and numerous others

DUES BLUES?

Forget the hasty unkind word! Forget the slander you have heard!  
Forget the quarrels and the cause! Forget the whole affair because  
Forgetting is the only way of getting through an arduous day.  
Forget you're not a millionaire; forget the gray streaks in your hair.  
Forget you ever had the blues, but DON'T FORGET TO PAY YOUR DUES!!!!!!!!!!!!!!

via MINERAL SCOOP  
via DIGGIN'S FROM DAKOTA  
via ACHATES



# JUNIORS

It's ELEMENTary!

E	T	I	H	C	A	L	A	M	M
V	N	B	R	O	N	Z	E	A	O
I	E	P	Y	R	I	T	E	G	T
T	M	U	I	N	A	R	U	N	A
C	E	A	L	L	O	Y	E	E	K
A	L	U	M	I	N	U	M	T	C
O	E	M	G	I	N	O	O	I	O
I	E	C	O	P	P	E	R	T	C
D	A	E	L	T	I	N	H	E	A
A	R	A	D	Z	I	N	C	L	E
R	M	U	I	N	O	T	U	L	P

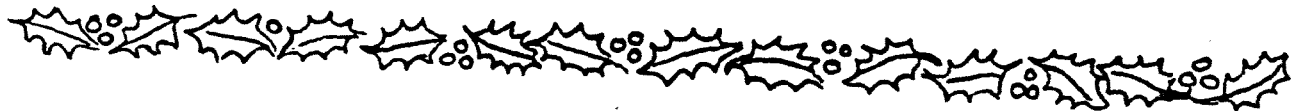
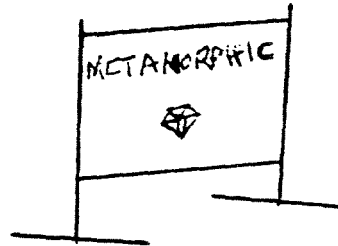
- Find these words in the matrix:
- |           |               |
|-----------|---------------|
| alloy     | malachite     |
| aluminum  | metal         |
| atom      | ore           |
| bronze    | peacock (ore) |
| chrome    | plutonium     |
| copper    | pyrite        |
| element   | radioactive   |
| gold      | tin           |
| lead      | uranium       |
| magnetite | zinc          |

When you've found all these words, another will appear in the leftover letters.

### Jr. Club Minutes

We looked at metamorphic rocks and learned how they formed. We learned that slate used to be in chalk boards. We also learned about garnets.

--Submitted by Reagan Wright



### SEASONS GREETINGS

Corinna McColery

Garen Miller

Andrea Wright

Reagan Wright

Phil Abel



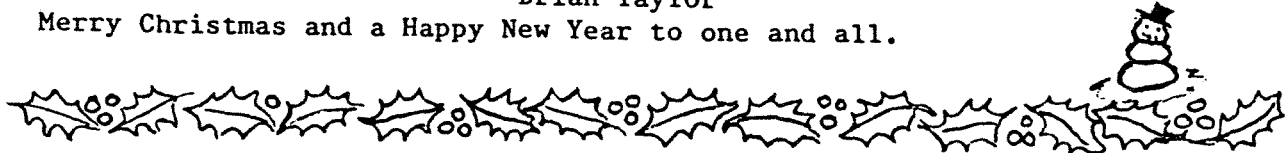
Brian Taylor

Scott McColery



Anne Crawford

Merry Christmas and a Happy New Year to one and all.



ACTIVITIES/INFORMATION-- During 1985

Did you give a talk to: school room classes; civic clubs; other rock clubs; Scouts; 4-H clubs; Senior Citizens organizations; etc.?

Did you write an article for any publication or magazine, including the PICK & SHOVEL?

Did you display, demonstrate, judge, or otherwise participate at other gem and mineral shows, fairs, etc?

Did you donate materials to a school, scout troop, hospital, etc.?

Did you help someone learn more about the hobby? Did you teach someone how to make a cabochon or silversmithing? Did you help someone by identifying minerals, fossils, or cutting material, etc.?

These are just a few of the items we need to learn about your activities during 1985. Remember the little things count and will add points in our quest for another All-American Award.

-----  
1985 Activities: Name \_\_\_\_\_

I gave a (program, talk, etc.) \_\_\_\_\_  
\_\_\_\_\_

I (exhibited, demonstrated, judged, etc.) \_\_\_\_\_  
\_\_\_\_\_

I attended or participated in shows at \_\_\_\_\_  
\_\_\_\_\_

I donated (slabs, fossils, equipment, cutting material, etc.) \_\_\_\_\_  
\_\_\_\_\_

I taught or helped teach \_\_\_\_\_  
\_\_\_\_\_

I wrote an article \_\_\_\_\_

OTHER (Anything pertaining to the hobby not included above) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Please return to "Lincoln Gem & Mineral Club, P.O. Box 5342, Lincoln, NE 68505-0342" by January 25, 1985 or bring to the Jan. Meeting.) ---This page based on THE GLACIAL DRIFTER, Oct 1985.

## TAPE RECORDING CLUB AND SHOW PROGRAMS

It is not uncommon that someone asks my permission to tape record a program that I am presenting at a meeting of our own club or some neighboring club or at a show sponsored by our club or some other club. I appreciate the fact that many people find my topics of sufficient interest that they desire to make some sort of a record of them. More often than not, however, I do not give permission to have any of these programs recorded. There are several reasons why.

I am especially perplexed when someone enters the program room and simply flips the tape recorder on and starts to record without asking permission to tape the program. In most cases, slide programs are made up at great personal expense. The program is the property of the one who is presenting it or who has written it and provided it for one of the various federations program libraries. To record the program without the consent of the writer is taking something from the writer without consent. To have segments of programs appear in bulletins, magazines, and other media dilutes both the credibility and the earning power of the original author.

If you would like to record a program, give the author the courtesy of asking permission to do so. This is no different than asking a ranch or farm owner for permission to collect rocks on his or her property. Much of the information in a program is being retained by the author for greater goals such as magazine articles, or, in my case, lengthy books. Most of that material has been gleaned by the author at great expense and a great commitment of time.

Especially unethical is the piracy of materials from programs that have been obtained from the slide program libraries of the various federations. This includes duplication of slides as well as scripts. Here the authors have turned over their materials to the federation slide libraries to share with their colleagues. When the program is being presented by someone other than the original author, the author has no control over unauthorized duplication of materials.

Fair use of program material does include taking notes. Take all the notes you wish. Fair use also includes utilizing the question and answer session after the program and any subsequent conversation with the author.

If you wish to record a program, ask the consent of the author. It is only being fair to the owner of the materials in the lecture.

Roger Pabian

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Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate now set at \$15.00 per full page per insertion, paid in advance. 1/2 page \$7.50, 1/3 page \$5.00 1/4 page \$3.75 (min). These ads will be placed throughout the bulletin as space permits.

Subscriptions to THE PICK & SHOVEL are \$5.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

Adult membership fee \$5.00 (age 16 and over)

Junior membership fee \$1.00 (age 12-16)

Family membership fee \$11.00 (husband, wife and all children under 16 - permanent residents of household)

New membership must be approved by the Board, after applicant attends at least one (1) regular meeting of the club, and pay the above dues plus \$1.00 registration fee.

REMEMBER: DUES ARE DUE. Delinquent Jan. 31st.

No General Meeting until January 25, 1986

"MERRY CHRISTMAS".



**H.E.L.P.**

HELP ELIMINATE LITTER PLEASE!

Lincoln Gem & Mineral Club  
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