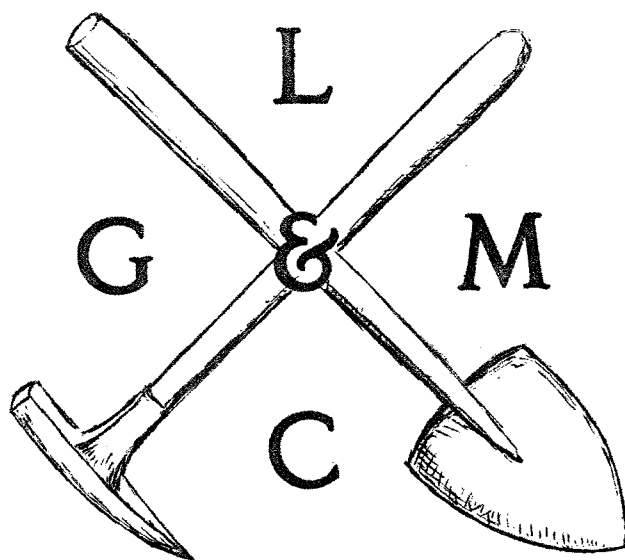


THE PICK & SHOVEL



MAR - - 1973

OFFICIAL PUBLICATION OF
LINCOLN GEM & MINERAL CLUB

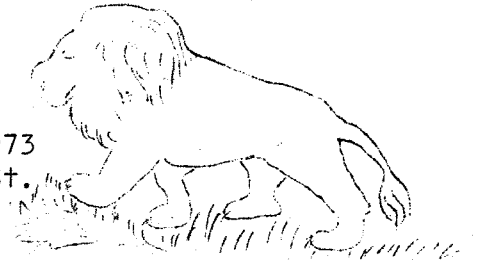
HOST OF COMBINED

MWF-AFMS NATIONAL SHOW AND CONVENTION
AND NEBRASKA STATE SHOW

JUNE 13-16, 1974
LINCOLN, NEBRASKA

CALENDAR

REGULAR MEETING - Sat. Mar. 24, 1973
7:30 PM--WOW Bldg., 734 S. 27th St.



PROGRAM: Peace Corps Experience in the Heart of the Brazilian Gem Land. Illustrated talk by Joe Rott, Planning Director of the State Technical Agency at the State Capitol.

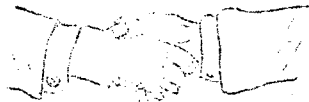
ROCK FEATURE: Agates and minerals of any kind from Brazil.

REFRESHMENTS: Will be provided by Phyllis and Jim Parks, Pat and Don Lawson, Marita and Larry Bigley, and Refreshment Committee.

MUSEUM VOLUNTEERS: Nebraska Hall - 4th floor. Every Friday night - 7:30 sharp. Enter at west door. Take elevator to 4th floor. For more information contact Dorothy Englehart - ph 488-5383.

WELCOME NEW MEMBERS: Gary and Jo Eva Jones, Lori, Brent, and Brad,
5816 Sunrise Rd. 68510 ph 489-7989

Let's Get Acquainted



Everett and Ruth Weber, 5310 Colby St. 68504 ph 434-1169
(reinstatement)

William Joseph Sidmore, 618 S. Madison St., Madrid, IA 50156
ph (515) 0795-3257

H. S. and Grace Carson, 3821 C St., 68510 ph 488-0782

DON'T FORGET...Save your Betty Crocker coupons...

DATES TO REMEMBER:

- Apr. 5, 7:30 PM...Regular Board Meeting, Rm. 122, Nebraska Hall
- Apr. 26, 7:30 PM..Steering Committee Meeting '74 Show, Nebraska Hall, Rm. 122
- Mar. 16-18 S. Central Fed. Show, Vallita Assembly Bldg., San Antonio, Texas
- Mar 17-18 Coyote Rock & Lapidary Soc. of Vermillion, SD, Student Center Univ. of SD
- Mar 24-25 Rock Hobby Club Show, Machinist Bldg., Bridgetown, MO
- Mar. 31-Apr. 1 Ogallala Rock Show, no dealers, Holiday Inn, Ogallala, Nebraska
- Apr. 6-8 Central Nebr. Rock & Mineral Club Show, City Auditorium, Hastings, NE
- Apr. 7-8 Kansas State Assn. Swap & Auction-4H Grounds, Lawrence, KS (Fieldtrip Sun.)
- Apr. 14-15 SW Kansas Gem & Min Soc. Show, Armory, Garden City, Kansas
- Apr. 14-15 Missouri Valley Gem & Min. Soc. Show, Ramada Inn, St. Joseph, MO
- Apr. 14-15 Cedar Valley Rocks & Mon. Soc. Show, Hawkeye Downs Hwy 218 & 30, Cedar Rapids, Iowa
- Apr. 28-29 Earth Science Club Rock Show, Kline Campers Center, Chadron, Nebraska
- May 4-6 Oklahoma Rockhound Friends, Morris Mem. Bldg., Jet, Oklahoma
- May 5-6 All Iowa Round Up, Ann'l Rock Festival, Chautauqua Shelter House, Storm Lake, Iowa
- May 12-13 LINCOLN GEM & MINERAL CLUB SHOW, EXPOSITION BLDG. STATE FAIRGROUNDS, LINCOLN, NEBRASKA
- May 19-20 Hot Springs, Gem & Min. Show, City Auditorium, Hot Springs, SD
- June 6-7 100th Meridian Rock Club Swap, Fair Grounds, Lexington, Nebraska
- June 9-10 Nebraska STATE Swap, Hebron, Nebraska

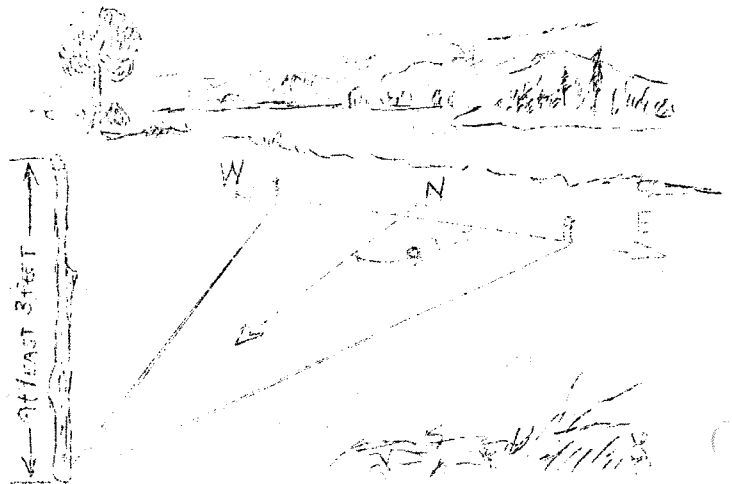
(more show dates continued inside)

TRICK WITH A STICK CAN SAVE A LIFE...

Even the most experienced outdoorsman can become lost and will find this drawing useful. Here's how the shadow compass works:

In an open area, drive a straight stake into the ground, with at least 3 feet of its length above the ground (left). The tip of the shadow that the stake casts is then marked with a small stake (center). After a wait of not less than ten minutes, the new spot where the tip of the shadow has come to rest is marked with another stake. A line joining the two marker stakes will always point east and west, no matter what the time of day or year. The second mark will always be towards the east.

(from the White Pass & Yukon Route via The Diggers of Potlatch, Idaho, and AFMS Newsletter)



YOUR CAR IS A REFUGE WHEN YOU ARE STRANDED...Everything you need to stay alive, except food, is found in the average car, but few motorists, when up against it, think of their car as a survival kit. The motorist's first inclination is to set out on foot for help. Too often he is beyond help when found a few miles down the road - dead from exhaustion, heat or cold.

The average car radiator holds 6 to 21 quarts of water. IF NOT contaminated by anti-freeze, that is enough water to last a family for four days.

The horn can alert rescuers as far as a mile downwind.

Under the hood are four quarts of oil. A quart of oil, burned in a hubcap in the still air of morning, spews a signal of smoke visible for miles. Lube oil can be used as a salve to protect the skin.

A hose from the motor will convert into a syphon for getting gasoline from the tank.

Door panels become ground blankets, insulating a sleeper from frozen, wet or scorching ground. Slip covers, floor mats and rugs serve as blankets and clothing. Many a hunter has warmed himself (and stayed alive) over a tire-fire. A little gasoline ignites a tire-fire. An average tire will burn three to four hours.

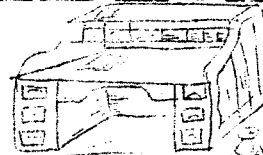
One family, their car broken down on a little-used fire trail, carefully removed a sealed-beam headlight, leaving it wired to the battery, directed its beams upward in wide sweeping arcs, and drew the attention of a rescue team.

(from All State Ins. Co.)

An Efficient Fire Extinguisher for small fires can be made from a one-pound coffee can painted bright red and filled with baking soda. When grease or oil catches fire smother the flames by throwing handful of soda on them. (Burbank News)

If oxalic acid crystals are used in polish mixture, use rubber gloves and avoid inhaling any fumes because it is toxic when absorbed by the skin or lungs.

(via Rock Rollers News/Ozark Earth Science News & The Geode)



FROM THE PRESIDENT'S DESK:

I was very pleased with the excellent turnout for the February meeting. My apologies for such a lengthy business meeting. I hope in the future they will not stretch out so long. However, the cancellation of the January meeting necessitated the transaction of two months business in a single meeting. To help the meeting move along at a quicker pace in the future, the following policy will be established and adhered to as well as possible. I will ask reports from only the following of the various committees: Hospitality, Membership, Field Trip, Show, and 1974 Steering committee. Reports of any special committees will follow these. If chairmen of any other committees have reports to give then, they will notify the president before the regular business meeting and then they will be called upon. In lieu of giving a report at the general meeting, any of the committee chairman, except the above five, may submit their report to the editors for publication in the Pick and Shovel. This procedure should help the business meeting move along a bit faster in the future. A member may, of course, request reports from any committee at the general meeting.

Our annual show is only two months away. I want to encourage all of you to be planning your displays. It will be of considerable help to the floor manager to know how many cases you will be displaying. Please fill in the display request space and have this information for Don Lawson by our March meeting.

I will not be present for the March meeting and Ralph Ulrich, the First Vice President, has agreed to chair the meeting. Last December, I submitted a paper, co-authored with Harrell L. Strimple, to the North Central Section of the Geological Society of America, to be presented at their annual meeting this spring. I am glad to report that the paper was accepted. In order that we may get the paper in a presentable condition, I will have to go to Iowa City for a few days in the latter part of this month.

The February 28th edition of the Star carried a very nice article about our bone preparers. Such publicity creates an excellent image for our club. One of my desires this year is for the club to perform sufficiently well to make an all out effort to win an AFMS All-American Club Trophy. Such news items will be a real assist.

Time now for a little quiz. Pretend you are on a field trip any place. The location makes no difference. While you are collecting rocks you make the following find: a couple of human skeletons, some arrowheads, spear points, scrapers, various other artifacts, some pottery, beads, and other Indian paraphenalia. This is a very exciting find --- perhaps the greatest you have ever made. The question then. After making this exciting find, who is the first authority you will notify?

If you answered the historical society, museum, or anthropology department, you answered incorrectly. If you answered the highway patrol, sheriff, or other law enforcement agencies, then you are correct and may go to the head of the class. The law does require that the discoverer of any human remains report them to the proper authorities. As soon as it is ascertained by the authorities that no foul play took place, you are free to excavate your site, provided, of course, the land owner will let you, or that you are on land where you can legally do so. Be sure to check the local regulations, but, at any rate, notify the legal authorities.

Roger K. Pabian
PRESIDENT

PROGRAM: Peace Corps Experience in the Heart of Brazilian Gem Land
-by-
Joe Rott

Speaker for our March meeting will be Joe Rott, a native of Spaulding, Nebraska, who upon graduation from N.U. in 1965, entered the Peace Corps. He served his three years as a Peace Corps member in the state of Minas Gerais (General Mines) in the field of agriculture. Minas Gerais is located in Central Brazil and is primarily a mining area. He returned to the States in 1968 and served a year in the Community Action Program in South West, Virginia. Upon returning to Nebraska, he assumed his present position as Planning Director of the Nebraska State Technical Agency at the State Capitol. Mr. Rott will share his slides and experiences in Brazil with us at our next meeting.

In connection with this program the rock feature will be agates and minerals, any kind from Brazil. A prize will be given to the display receiving the highest number of votes of the members. Do not put your name in your display. You will be given a number. Let's make this a good rock feature.

-by- Marie Wells, Program Chairman

PLEASE NOTE...At the last club meeting the question was raised of buying hard hats and safety goggles. Anyone who wants to purchase these articles for the safety of their family please call 466-0211 and let me know that you are interested. Those who list names I will call and pick up your money before I order. Remember, these are discount prices.

-Larry Bigley, Field Trip Chairman

ATTENTION ALL LGMC MEMBERS:

I received a letter today asking for help from the Nebraska clubs to furnish a display representing Nebraska for a show they are planning at the Science Center in Des Moines, Iowa.

What is planned is a rock and mineral display with lapidary, specimens, etc., to be set up at the Center on April 16 and remain there until June 10. (A full eight weeks.)

I am hoping that we will be able to get a nice display of materials found in Nebraska. We are hoping to get top quality material. The displays are to be insured, so they want a list showing the value of each item. The Center is under 24 hour guard. If a displayer needs to remove his materials, it can be done. However, they would like the cases kept full of something at all times.

If you are interested in displaying, contact me. I will be going through Des Moines on April 6, and plan to take the material at that time; therefore, I would like receiving your items by April 1. We need about 20 items for a good Nebraska display.

Proper identification of material, location where found and name of displayer (plus club name) are needed.

You can contact me, Howard Taylor, 910 New Hampshire, Lincoln, Nebraska 68508

Last Month The weather was right, and we had a very good attendance at our February meeting with 69 members and 19 visitors present.

Our new president, Roger Pabian, presided. It looks as if we are going to have a good year ahead of us with interesting meetings and worthwhile activities. We are fortunate to have a man with Roger's background and experience as our president; an educational chairman like Phyllis, and a program leader like Marie teaming up to give us excellent programs.

Ralph Ulrich and his committee chairmen presented their plans for the 1973 Show. It really makes one get excited to hear of all the attractions that the Show is going to provide--like jade carvings from Hong Kong!

Dr. Gilson, former dean of the College of Pharmacy, gave a most interesting talk on "Mineral Uses in Medicine and Cosmetics.". His topic included such items as medical treatment during medieval times, and remedies used by early settlers in Nebraska.

Such remedies as curing cross eyes by piercing the ears and wearing gold hoops in them, and rubbing the bite of a mad dog with a "mad stone" the mad stone being a stone from the stomach of a deer were popular treatments not too long ago in early Nebraska. Of course at this time of the year spring fever became a problem. If you are getting spring fever, be sure and get out the sulfur and molasses. It was relied upon as a sure cure for that malady.

A very informative talk on the necessity of wearing hard hats and goggles on field trips was given by Larry Bigley. There will be more information about these items in this issue.

A VISIT TO PLATTE VALLEY GEM AND MINERAL CLUB

I was privileged to attend the Platte Valley Gem and Mineral Club of North Platte on Febr. 19. The purpose was to explain and expand upon the 1974 Show.

In the time allotted, we covered the Policy File, items of interest to all Rockhounds, and we told the Club members what they can do, and what to expect at this Show. There were a lot of questions asked, and we covered a full realm of thoughts that the members brought out.

The meeting was attended by 42 people. There were three visitors, Howard and Harvey Kenfield and Mrs. Elmhauser. They also injected some very good thoughts.

We enjoyed a time of fellowship over a piece of pie and a cup of coffee.

Respectfully,

Irl Everett

SPECIAL ANNOUNCEMENTS

Don't forget the State Show in North Platte, Nebraska.
September 28, 29, and 30, 1973.
Start planning your cases now, let's all try to have at least one case
in this show.

Scott Williams, Professor of Geology at Peru State College will offer
an introductory course in rocks and minerals at Beatrice. This course
will provide from one to three hours of college credit. For more
information, write him at Peru State College, Peru, Nebraska 68421.

ATTENTION: Be sure and read "Another Mine Closed to Collectors".
M.W.F. Newsletter.

The Gem Palette, the bulletin of the Nebraska Association of Earth
Science Clubs, Inc. (Naoesci) may be ordered from: Charles Schafer,
Editor, 3229 North 60th Street; Omaha, Nebraska 68104.

YOU CAN OBTAIN "Gem Stones of the U.S." from the U.S. Printing Office
for 25¢. Ask for Catalog No. 119.3: .042-G. This catalog is excellent
for collectors and lapidarists. It has 49 pages with illustrations
and describes semiprecious gemstones and their principal locations

The Minnesota Dept. of Economic Development issues a leaflet on
Minnesota Rocks, Minerals and Fossils. It contains a list of the Gem
and Mineral Clubs in Minnesota, a map of the rock and mineral localities
and pictures of the various rocks and minerals and where to look for
them. Write to Minnesota Dept. of Economic Development 57 West 7th St.
St. Paul, Minnesota 55102

-via-
Pick and Chisel

Michigan Department of Natural Resources lists available publications
Many are free. These include maps, a guide to Michigan fossils, leaflet
on beach stones, minerals and a number of papers on Geology. Address is
Publications Room, Michigan Tourist Council, 102 Commerce Building, 300
South Capitol Avenue, Lansing Michigan 48926.

-via-
Quarry Quips

Recreation Guide map of South Dakota may be purchased from the State
Game, Fish and Parks Dept., Pierre, South Dakota 57501 for 25¢.

BOARD MINUTES...

The Lincoln Gem & Mineral Club board meeting was held March 8, 1973 in room 122 at Nebraska Hall at 7:30 P.M..

Board members present: Roger Pabian, Jim Parks, Howard Taylor, Don Eckel, John Harrison, Nelda Oliver and Don Lawson. Committee members present: Roger Simmons, Norma Miller, Evelyn Ulrich, Phyllis Parks, Don Carter, Marita Bigley, Pat Lawson, Marie Wells, Larry Bigley, Art Howlett and Ray Grabher.

The minutes of the February meeting were read and approved with corrections: Iowa State Association is not sponsoring the Science Fair in Des Moines, Iowa, and TRIOLOBITES should read TRILOBITES. Motion by John Harrison to approve. Seconded by Don Lawson.

Treasurers report was read. A discussion was held regarding checking account balance being too low to cover preliminary expenses of show. Howard Taylor made motion treasurer draw \$1181.84 from Transmatic account to be placed in the checking account, to carry the club treasury thru till show time. Seconded by Don Lawson.

Outstanding bills were presented and Don Lawson made motion they be approved as read. Seconded by John Harrison.

Marita Bigley, announced reinstatement application for Mr & Mrs Everett Weber. Motion to accept reinstatement of members to membership by Don Lawson. Seconded by John Harrison. Applications for new members: H.S. & Grace Carson, Mr & Mrs Gary Jones, Lori, Brent & Brad, and William Joseph Sidmore. Motion to accept above names to membership by Don Eckel. Seconded by John Harrison.

Don Carter has the Rock Swap flyers on the drawing board.

Phyllis Parks & Marie Wells have the 'Rock Feature' education & programs ready to list in the Who's Who.

Marie Wells has the programs pretty well complete. The Oliver's Polka Band was asked to play for the May picnic/meeting and hopefully Tom Simmons will show slides of his trip.

Art Howlett, had a discussion about advertising for the Pick & Shovel. It was decided not to solicit advertising. Request for advertising will be approved by the board on an individual basis. Club members may call or write the editor if they want to sell or swap material pertaining to the Rock/Fossil hobby.

Pat Lawson showed a small Nebraska name tag from Mar-Gee Plastics that they would like to make & sell at our show as a souvenir.

President made announcements of JewelArt, a new store in Lincoln and a catalog from Intergem.

Larry Bigley will check on a dairy van and report at next meeting.

Next board meeting April 5, 1973, room 122, Nebraska Hall, 7:30 P.M.

Motion for adjournment by Don Lawson. Seconded by John Harrison.

Nelda Oliver
Secretary

1974 SHOW AND STEERING COMMITTEE REPORT

A meeting was held on March 1, 1973 at Nebraska Hall with Steering Committee members Ralph Ulrich, Irl Everett and Howard Taylor present. Committee members present were Marie Wells, Roger Pabian, Norma Miller, Ray Grabher, Geo. Balke and Bob Bainbridge, Jim & Phyllis Parks, Don Lawson, Barbara Allen, Kay Ulrich, Frank Rule and Evelyn Ulrich.

The minutes of the February meeting were read and amended in two areas.

Report given that stationery is being printed and will be ready soon.

The secretary reported that Evelyn Ulrich has accepted appointment of Historian for 1974 Show and notice that all items associated with the 1974 Show be gotten to Evelyn such as clippings, pictures, publicity.

Financial report made that preliminary figures are now in proper classification and all expenditures for the 1974 Show should be submitted to Ray Grabher to be recorded and authorized for payment.

Show Director Irl Everett reported a meeting at North Platte re '74 Show and letters were presented from Columbus and Norfolk clubs inviting us to visit their meetings with information. Roger Pabian will be going to Columbus for their meeting, Ralph and Irl are going to the Omaha club on March 21, Howard and Ralph will go to Norfolk on March 28 if possible. On April 6-8 some will be going to the MWF meeting in Chicago.

Administrative Assistant Ralph Ulrich spoke about showcases for the show (200 with a tentative budget of \$4,500). Volunteer or two needed to carry out this matter.

Marie Wells reported publicity in March Lapidary Journal and eastern mag. Banner is ready (Frank will take to Kansas City and Vermillion So. Dak.) Hats are ready at 50 cents each per member. #4 sacks too heavy and 2# sacks are large enough so will be ordered. Barbara Allen displayed the original "Mammoth" for our official flyers. Reports are being readied about the State Museum, Irl Everett, State Capitol, etc. for release to lapidary magazines.

Recognitions division reported marking time until lists etc. are ready.

Howard Taylor reported final contract for dealers nearly ready and asked about increasing number of dealers to be at our show.

Roger has several fine displays secured and searching for still more.

Norma Miller reported another registrations meeting, a letter sent to NAOESCI, and some materials received for packets.

Don Lawson reported further revisions on building plans to handle the volume of dealers and displays.

George & Bob reported several areas of security and contacts already made regarding price and availability. They suggested that all club members be alert to report any irregular events to the security guard.

Next meeting will be April 26, 1973 at 7:30 PM in Nebraska Hall.

Respectfully submitted, Phyllis Parks, Secy.

* * * * *

NOTICE TO ALL CLUB MEMBERS:-----

Frank Rule, Properties and Housing Chairman, wishes to complete his listing of all club properties and where they are being stored. If you have anything which Frank has not talked with you about please give him a ring. Telephone number 466-1697.

MARCH

March was the first month of the Roman calendar until the adoption of the Julian calendar in 46 B.C. It was the beginning of the legal year in England until the 18th century.

The Anglo-Saxons called March "Hlyd-monath" the loud or stormy month, or "Lencten-monath" the lengthening month in allusion to the fact that days become longer.

There are two birthstones for March, they are bloodstone and aquamarine. The Zodiacal sign is Aries and the flower is the violet.



BLOODSTONE AND AQUAMARINE

Perhaps you are baffled by the fact that some authorities quote bloodstone as the natal stone for March while others claim it is aquamarine. Up until 1968 bloodstone was considered the birthstone for March. In 1968 the American Association of Jewelers revised their list. They now consider both bloodstone and aquamarine for March birthstones--bloodstone for men and aquamarine for women.

Bloodstone or Heliotrope is a dark-green variety of cryptocrystalline silica or quartz having nodules of bright red jasper or impure opaque quartz distributed throughout its mass.

The word "heliotrope" is derived from the Greek "helios"-sun and "trope" turning, in reference to its supposed power to turn the sun's rays red. It was greatly prized in the Middle Ages, and used in sculptures representing martyrdom.

The green coloring comes from chlorite and possibly iron salts, while hematite accounts for the red color. On heating the red spots turn black and the green background changes to gray.

High grade material commands a good price because the demand exceeds the supply. India and the U.S.S.R. supply most of the bloodstone, but some is found in the U.S.A. There is a mine about 45 miles northeast of Johannesburg, Kern Co. California that yields some bloodstone, but the supply is scarce.

continued

BLOODSTONE-AQUAMARINE (continued)

In mediaeval times bloodstone was believed to preserve the health and faculties of the wearer, and to bring him consideration and respect, and to guard him from deception.

In Leyden papyrus the bloodstone is praised as an amulet in the following manner; "The world has no greater thing; if anyone have this with him he will be given whatever he asks for; it also assuages the wrath of kings and despots, and whatever the wearer says will be believed. Whoever bears this stone, which is a gem, and pronounces the name engraved upon it, will find all doors opened, while bonds and stone walls will be rent asunder."

It was also supposed to have medicinal value. It was often cut in the shape of a heart. The stone was dipped in cold water and held in the right hand. Both Spaniards and Indians used the bloodstone in this way.

The Franciscan friar, Bernardino de Sahagun, a missionary to Mexican Indians, writes in 1576 that he cured many natives who were at the point of death from hemorrhage, a result of the plague by causing them to hold in the hand a piece of bloodstone.

Mediaeval beliefs concerning bloodstone were found in The Curious Lore of Precious Stones by George Frederick Kunz, copyright 1913 by J. B. Lippincott Co. Renewal 1941 by Mrs. Ruby Kunz Zinsser. Used by permission of J. B. Lippincott Co.

AQUAMARINE is a blue-green gem variety of mineral beryl, its name is derived from Latin meaning "sea water".

It is vitreous, usually very clear, and may be found in pegmatites. One large gem-quality crystal weighing over 200 pounds was discovered in Minas Gerais, Brazil, and sent to Idar Oberstein, Germany where it was cut into 200,000 carats of smaller stones.

Brazil, Siberia, Madagascar and several parts of the U.S.A. yield good Aquamarine. An article in the Rock Box, March 1972 stated that a mine operated by 35 North Carolina rockhounds would be opened in April, 1972. The following address was given for those wanting information concerning this collecting area:

North State Gem Mining Inc., Rt. 3, Box 256, Pfafftown, North Carolina 27040

-Evelyn Ulrich

O March that blusters, and March that blows,
What color under your footsteps glows!
Beauty you summon from winter snows,
And you are the pathway that leads to a rose.

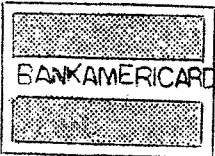
-by Celia Thaxter

MORE DATES TO REMEMBER...

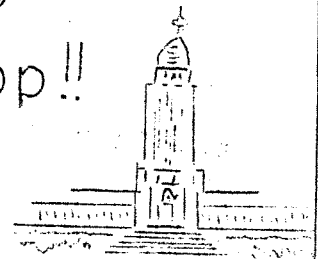
June 15-17	Rocky Mt. Fed. Show, Oklahoma City, Oklahoma
June 16-17	Homestead Gem & Min. Club Show, Chautauqua Park, Beatrice, Nebraska
June 28-July 1	AFMS and Eastern Fed. Show, Charlotte Mdse. Mark, Charlotte, NC
July 26-29	MWF Convention and Show, Convention Center, Cincinnati, Ohio
Aug. 18-19	Northwest Nebraska Rock Club Show, Crawford, Nebraska
Sept. 1-3	Nebr. Mineral & Gem Club Show, Nat'l Guard Armory, Omaha, Nebraska
Sept. 28-30	NEBRASKA STATE SHOW, North Platte, Nebraska

Everett Lapidary Shop

capitol city's first rock shop!!



2941 NORTH 65th STREET - PHONE 466-6204



ARE YOU READY FOR THE 1973 SHOW?

IF NOT I'M SURE WE CAN HELP YOU.

"SATISFIED CUSTOMERS ARE OUR BEST ADVERTISEMENT"

EDITORIAL

Article III of the Articles of Incorporation of the Lincoln Gem and Mineral Club states "The purpose of the Corporation shall be to study, promote an interest in, and disseminate Earth Sciences, including but not necessarily limited to geology, paleontology, and mineralogy."

Are we guilty of neglecting some of the sciences for which we were organized? What about paleontology? Are we only satisfied to hunt for fossils for our private collections and to swap, or do we want to do something that will benefit the entire community? Some of our members are volunteering their services to the State Museum, one of the finest in the world. Because of the work of the Museum Volunteers, prehistoric remains are being assembled which will acquaint the present generation as well as our posterity with animal life during prehistoric times.

Perhaps you hesitate to attend the workshops because you do not feel qualified to do the work they are doing. They will train you "from scratch". It is a wonderful learning experience for the rockhound.

There are people from Wyoming who have heard of the work of the Museum Volunteers. They plan a visit to the workshop, and are perhaps wanting to work.

Let's more of us become Museum Volunteers, and perhaps we, like Florence Van Cleave, can put a prehistoric horse together.

- Evelyn Ulrich

A generation ago most men who finished a day's work needed rest; now they need more exercise.

-Rockatier

Experience is what causes a rockhound who has made the same mistake twice to bust up the third mistake and put it into the tumbler.

- Rock-a-teer

BRAZILIAN AGATE

The name Brazilian has been given to this type of agate not only because it is found in Brazil, but also to suggest that it is a more valuable gem. There is a great demand in North America for Brazilian material because of its high quality and its relatively reasonable cost.

Brazilian agates vary considerably. Not all of them are of the fortification or banded variety. There are eye agates the size of an orange. A twelve-inch sphere, cut in Idar-Oberstein, Germany has sagenite needles in the eye.

Since many Brazilian agates are quite large, they are made into bases for fountain pen desk sets, ash trays, and bookends.

Many beautiful specimens are on display in the Smithsonian Institution in Washington D.C.

-by-

Evelyn Ulrich

HEAT TREATING BRAZILIAN AGATE

from the Trilobite

-via Cedar Valley Gems

We recently obtained a formula for heat-treating Brazilian agate, and tried it with one rather drab slab we had on hand. The result was quite amazing in that the color changed from pale gray to nicely banded red. We also treated another slab of a very opaque Brazilian agate. The color change was not spectacular, although it did change from gray to a dull salmon tint. This indicated that the best results will be obtained with agate in which banding has considerable translucent fortifications.

The formula is simple and can be done in a standard oven. Be sure the slab is at room temperature, Place in an unheated oven and set temperature at 200° for 15 minutes, then 250° for 15 minutes. Continue to raise the temperature 50° at a time for each 15 minutes period until you have reached 550°. Leave the slab at this temperature for 20 to 25 minutes and then shut the oven.

WARNING--under no circumstances open the oven during this process. If you do the stone may shatter. Let the oven cool completely, it is safest to do this job at night, and let it cool overnight.

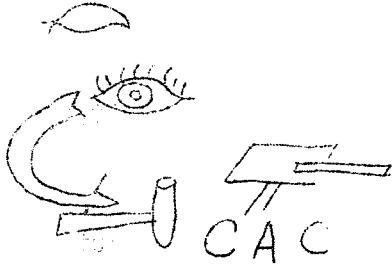
We have made no tests with other banded agate material, and presume the particular chemical content of Brazilian agate lends this variety ideally to heat treating as it accepts dyes so well.

-submitted by-

Larry Bigley

via Rocky Times

An Archaeologist- A man whose career lies in ruins.



COMMUNITY ARTS COUNCIL

The February 26th C.A.C. meeting held on the 5th floor of the Lincoln Center Building was well attended by participating council members.

A review was made by the news media as to their requirements and deadlines. Helen Haggie reported for the 'Focus' cover and content. They will accept a three-color slide to run on the front page. It should be in their hands six to eight weeks ahead of the week you wish it to run. They are able to take it two to four weeks ahead of the desired date of publication but this produces pressures and it is better to have the longer time when possible. For a story and picture, or a half-page article, the absolute deadline for having the material editor-ready is Tuesday morning before the Sunday it is to run. (One week prior is best.) And they do not usually run your article the Sunday of the event itself. For items of two or three inches the deadline is Tuesday or Wednesday in all instances. And according to Dale Griffing there is no difference for the type of art work involved - the deadline is the same. Sometimes an overriding development cancels their plans but generally they produce as promised. Just be sure to contact them ahead of time - they like that, and to be sure of a definite date it is good to call ahead four to six months so they can at least get it on their calendar.

Notices to Cindy Johnson's Calendar in the Morning Star on Fridays should be made in writing by the Wednesday before the event. It should include who is involved, where, when, and something about the artist. It should also include an address and phone number to get tickets if necessary. Indication should be made whether it is open to the public or not. She appreciates keeping in touch so do call to let her know about our group's activities.

'Mike' Seacrest of KOLN-KGIN TV stated that she would receive calls regarding appearance on "Woman's World", Leta Powell Drake would receive you for the "Morning Show", or Dale Holt would be happy to answer questions of any nature. For interviews on the programs they need at least three weeks advance notice. It was interesting to know that the station will run 10-second and 30-second promotional color slides free, whenever they can work them in. They will even help you make the color slide. This free advertising can be quite good as last year they ran \$300,000 worth of free time. \$12,000 worth of time was run advertising the Children's Zoo last year. In order to meet FCC requirements a certain amount of free time must be given by the station.

Mrs. Norman Geske reported on the Nebraska Arts Council and the Partnership For The Arts. The Partnership For the Arts was started by New Yorkers who felt it took national funds to preserve the arts just as national parks are funded by the government. We, also, should support the national effort and to meet their goal they need \$1 per person in the United States. There should be greater support for the arts at the state level and to do so we must visit with our Senators and write them speaking up for the arts. Grants will be made - up to 8.5 million dollars will come to the states and 7.5 million will be granted to match private gifts.

The next meeting of the Community Arts Council will be held at Sheldon Gallery as guests of Mr. Norman Geske on March 19th. A singer who is the Artist in Residence at Doane College is scheduled to perform at that meeting.

-Norma Miller, Substitute CAC Representative

GREATER KANSAS CITY SHOW

A number of Lincoln Gem & Mineral Club members attended the '73 Greater Kansas City Show held at the National Guard Armory in Kansas City, March 2, 3, and 4.

Your editor, along with her brother-in-law, Ralph Ulrich, and her son, Glen and his wife, Debbie, took off for Kansas City early Sunday morning. It rained all day, but that didn't dampen our spirits.

The first thing that caught our eyes, as we entered the show room, was the perfectly striking 30-foot banner announcing the '74 National Show to be held in Lincoln. It had a place of prominence that commanded one's attention the moment he entered the room. White cowboy hats announcing the '74 Show could be seen here and there. Congratulations to our Publicity Committee and its chairman, Marie Wells. They are really on the ball! There was much enthusiasm shown over the '74 Show, and people who are not members of any club plan to come to Lincoln to attend it.

The exhibits of the K.C. Club members were of high quality, the cases containing beautiful specimens, artistically arranged. An unusual and very attractive feature was the display of excellent water colors above the cases.

Several of the special exhibits especially appealed to me. They were Chinese pipe stone carvings from the collection of Mr. & Mrs. Wm. Anderson of Medford, Oklahoma, Impressionistic Ferro Sculpture shown by Albert & Elieen Waite, and Pictures and Portraits in Gemstones and Minerals exhibited by Roberta (Heiner) Herrick of Durango, Colorado. These pictures and portraits appealed to me so much that I want to write a little about them. The exhibitors were kind enough to share the following information with me that may prove useful to anyone wishing to do this type of art.

These pictures are made entirely of mineral and gem stones in the color nature gave them - no color added - no glass - no paint or dyed stones. Each piece down to the tiny ones on the miniatures are placed one at a time, including the signature of the artist. The miniatures are made of tiny chips - some polished - some unpolished. Most scenes are of unpolished tiny chips. Gem bouquets are made of polished gem stones. Stones used by the artist are: Skin tones - Utah wood agate; Lips - Spinel - ruby - cinnabar; Hair - Tiger eye, wood agate, jasper, etc.; Skies - Amazonite, turquoise, opal, amethyst; Blues - sapphire - turquoise, chrysocolia, amazonite, lapis lazuli, azurite; Reds and pinks - ruby, spinel, garnet, cinnabar, rhodochrosite, rhodonite; greens - malachite, jasper, agate, chrysoprase; Whites - opalite, opals, barite, jasper, agate; Blacks - Obsidian, wood agate, jasper; Purples and lavender - Amethyst, dolomite.

Besides the exhibits there were working demonstrations, movies, slides, and lectures. There was a tremendous crowd at the Show. There were so many people it was hard to get around. I met a lady from Kansas City who told of a fabulous place to eat over in Kansas City, MO. We took her advice and visited the place. It would be well worth your while to go there when in K.C. The food is reasonably priced and is perfectly delicious. The atmosphere cannot be described in words. The building has two floors all done in antiques. If you wish, you can dine in an old cable car. The place is called The Old Washington Street Station and is not far from the bridge - 900 Washington Street.

-Evelyn Ulrich

Analysis of the lunar soil shows that about the only thing we can raise on the moon is taxes.

GLENNA'S GLEANINGS

Sympathy is extended to the Don Eckel family on the passing of Mrs. Eckel's mother this past month. Also to Tom and Frank Rule on the death of Tom's grandfather and Frank's father-in-law.

Julius and Myrtle Young were welcome attendants at the February meeting. They report Dr. Heihardt is at present in Columbia, Mo. taping records for United Artists.

Hal and Darline Janzen are planning to build a new home in Grand Island for Hal's dental office.

Merle Geyer is still in Veterans Hospital and would no doubt be appreciative of communications from members and friends.

Phyllis Parks took hubby's place last meeting as Treasurer because Jim was taking part in the big Motorcycle Show at the Fairgrounds.

Dean and Hazel Baumeister report son, John, home from a tour of duty in Korea. Congratulations!

Harry Gragg wishes members to know he appreciated the gifts and cards sent to him this past holiday season.

The Richard Ternes family vacationed in California and Arizona during January. Heard they hauled home lots of rocks.

Long-time members Ruth and Evy Weber, in attendance at the last club meeting, reported they are about to become grandparents twice this spring.

Customers of Hillside Rock Shop in Omaha might be interested in the new hours of business. Tuesday thru Friday - noon to 7 PM, Saturday - noon to 5 PM, Sunday - 1 to 5 PM, and Monday, closed.

Members please take notice of the '74 Show ad in the March issue of the Lapidary Journal.

Lynn Wells has been on the sick list. Seems he slipped some discs in his back. My sincere sympathy! Let's give him some support. (That is a pun, man.)

Friends of the McNamars of Des Moines will be pleased to hear that Ed is now home from the hospital recuperating from surgery of February 26th.

It seems Tom Simmons and five Marine friends, out to bag their deer, got caught up in the American Indian Movement takeover at Ft. Robinson this past January. (By the way, he got his deer! Ed.)

Don't fail to get and wear your cowboy hats advertising the '74 Show at all functions concerned with the hobby.

Lincoln was well represented at the Kansas City Rock Show. Some of those present were the Irl Everetts, Bob Bainbridges, Hal Janzens, Frank Krejcis, Steve Tarczas, Howard Taylors, Harold Eno, Rober Pabian, Frank & Tom Rule, Ralph Ulrich, Evelyn, Glen & Debbie Ulrich, and yours truly and spouse.

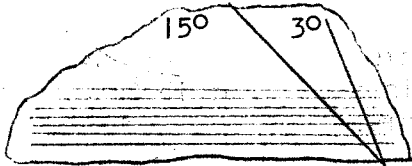
Don't forget the April field trip to Odell, Nebr. 'Till next month - Glenna McGinnis



"TIPS" by LEFTY

When cutting Rainbow Obsidian, cut it at an angle from 3 degrees to 15 degrees. The larger degree of angle will give you wider bands of color.

Example



If when cutting obsidian with oil, and then cleaning with soapy water, the obsidian seems to retain oil, place it in a kettle of water, completely covering the stone with water, and then place on stove and boil it for 20 minutes. This will remove remaining oil.

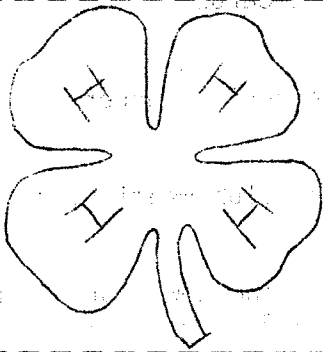
Stones that retain oil will not polish well, so this will help you to attain the polish you want.

- "Lefty" (Frank) Rule

HELP WANTED...It would be quite difficult for any editor of any newspaper or magazine to publish for long without help. The Pick and Shovel has no paid reporters so we appeal to all members of our club to act as reporters and tell us about anything that may be of interest to other members. We especially appeal to the chairmen of all committees. If you have any news, please give us a written report by the 5th of the month.

The "Pick and Shovel" has always been an outstanding news magazine and we intend to keep it that way with your help. Mail your material to Evelyn Ulrich, Debbie Ulrich or Art Lowlett, or call us - our addresses and phone numbers are in the Who's Who. Thanks.

-Art Howlett



4-H NEWS:

PROJECT - "Exploring Our Earth Through Geology"

This project will be available to all county agents in Nebraska. This 4-H project makes the hobby available to any youngsters 9 years old on January 1st through 19 years of age.

- Marie Wells

MARCH IS THE TIME
TO OUTRIG YOURSELF FOR THE

"SPRING FEVER TREASURE HUNT"

TREASURE HUNTERS FIND

You can't buy a better instrument than a WHITE'S!

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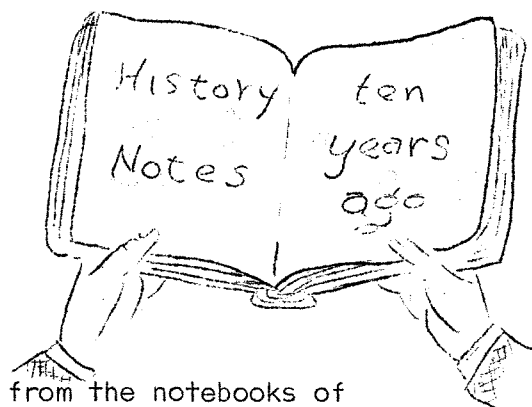
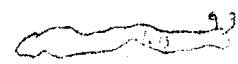
Box 46
Sprague, Nebr. 68438
Ph. 794-5730

Lee Pavel
L.P. Enterprises

LIBRARY REPORT

"Agates" by Leland Quick ---- Although this book is not as colorful as some we have in our library, it is rich in information and "fun" reading. In chapter 2 on page 4 we find a wealth of historical information. In the 2nd column about half way down the page we find the beginning of a paragraph thusly: "The first mention of agate in literature on the subject was made in a treatise 'On Stones' by Theophrastus (372=287 B.C.). He referred to it as a beautiful stone sold at a high price, deriving its name from the river Achates in Sicily where it was believed to have been found for the first time. Pliny the Elder repeats this in his Natural History, written about 77A.D. He detailed all the knowledge of agates up to that time, and since his account is so interesting we repeat it here". Then here continues on Pliny's account. Very interesting. I find the names of the different color-agates fascinating! Iaspisachates (agate-jasper), cerachates (chalcedony), smaragdachates (green-agate), haemachates (red agates), etc. This is a great fun chapter. Chapter three is on field tripping; this book was written in 1963 so some of this chapter may seem "old hat" to the experienced rock hound but you will find some familiar names here and some interesting pictures. Chapter four gives us "Varieties and Forms of Other Quartz Gems". Here is a listing of quartz gems from A to Z, literally. Chapter five is on opals; chapter six on petrified wood--great stuff! In chapter seven we are taken on a wild field trip through all the states and Mexico and Canada. Just a little about each state but it does wet one's appetite to 'pack up the old kit and go a-hunting'. Now away into chapter ten where we find "How to Cut and Polish Agate" then "Illustrations of Agate Creations". There is also an index, oh, ha, ha! Before the index however are four pages of kindly helps; the bibliography includes lists of books about agate collecting, gem cutting, gemology, jewelry making, minerals and rocks, and more. Also an alphabetically arranged list of publishers. How about that! Its a fine book to read and use.

Good Reading. from the little old bookworm



from the notebooks of
Historian, Frances Tracy

Fifty-five members of the Lincoln Gem & Mineral Club met at Roberts Dairy Party Room. Five guests were welcomed.

A change in the by-laws, separating the offices of Corresponding Secretary and Bulletin Editor, was approved.

The program was presented by the "Three Gentlemen from a Mexico Trip", Senor Virgil Carveth, Senor Padre Waddle, and Senor Howard Taylor. Their experiences were told and many samples of their wares shown.

JUST TWO TO GO - - - - -

ARE YOU READY ? ? ? ?



CHARACTERISTICS OF GEMSTONES

This is the beginning of a series of articles that will deal with the characteristics of gem stones. I will endeavor to relate to you the reasons why it is important to recognize crystal (XL) structures, colors, hardness, durability, luster, transparency, brilliancy, dispersion, single and double refraction, pleochroism, phenomena resulting from reflection of light, the cutting of gemstones, methods and styles, chemical properties and inclusions in gemstones.

Several of our fellow club members will be asked to assist me in a demonstration table at each club meeting that will show items of interest relating to these articles.

By now I hope your appetites have been whetted with the preceding glimpse of subject matter to be covered. Briefly, the first few articles will build a background in gem properties used in the identification and grading, as well as the methods and tools necessary to put this knowledge into practice.

I might add right here that after a couple of articles, if there is enough interest from our members, I would be willing to start a gem identification class.

"Gems may be described as those specimens of minerals and organic materials used for personal adornment that possess beauty, rarity and durability." (1) I will discuss colored gem stones, the organic gems (pearl, coral, amber, and jet) and the gem minerals (i.e. sapphire, garnet, spinel, tourmaline, chrysoberyl, beryl, quartz, jade, opal, etc.)

Of the over 2,000 minerals that have been identified, only about 90 have varieties that produce specimens possessing the requisite beauty and durability to be considered gemstones.

Each mineral that produces gemstones is considered a gem SPECIES. Each species possesses its own characteristic properties such as crystal structure, luster, beauty, durability and rarity. Most species include a number of different types of material with variations that are usually based on color and transparency: each of these is called a VARIETY. For example, Species: Corundum, Variety: Ruby (red); Variety: Sapphire (blue and all colors other than red). Since both are corundum, ruby and sapphire have the same basic properties but differ in color only. They have the same chemical composition, same crystal structure and the same properties. Consider also the VARIETIES emerald and aquamarine are from the same SPECIES of beryl.

There is one other type of classification that is important in the identification of gem materials and that is the GROUP. This is a number of closely related species. There are basically only two groups with which we will concern ourselves for the study of colored gems. The first group includes the garnet group--these have like crystal structures but have different variations in chemical composition. The second group is that of the feldspars--these include amazonite and moonstone as varieties of different species.

Just for record purposes do not consider the two types of jade --"jadeite and nephrite" as a GROUP. They do have similar characteristics, but they are not members of the same group.

(1) GIA, COLORED STONES, chapter 1, page 1, copyrighted 1964, Gemological Institute of America, Los Angeles, California

CHARACTERISTICS OF GEMSTONES (Continued)

I will in all articles include the correct pronunciation of the species and varieties of gem materials such as Species: Peridot (Pronounced pear'-uh-doe, not pear'-uh-dot).

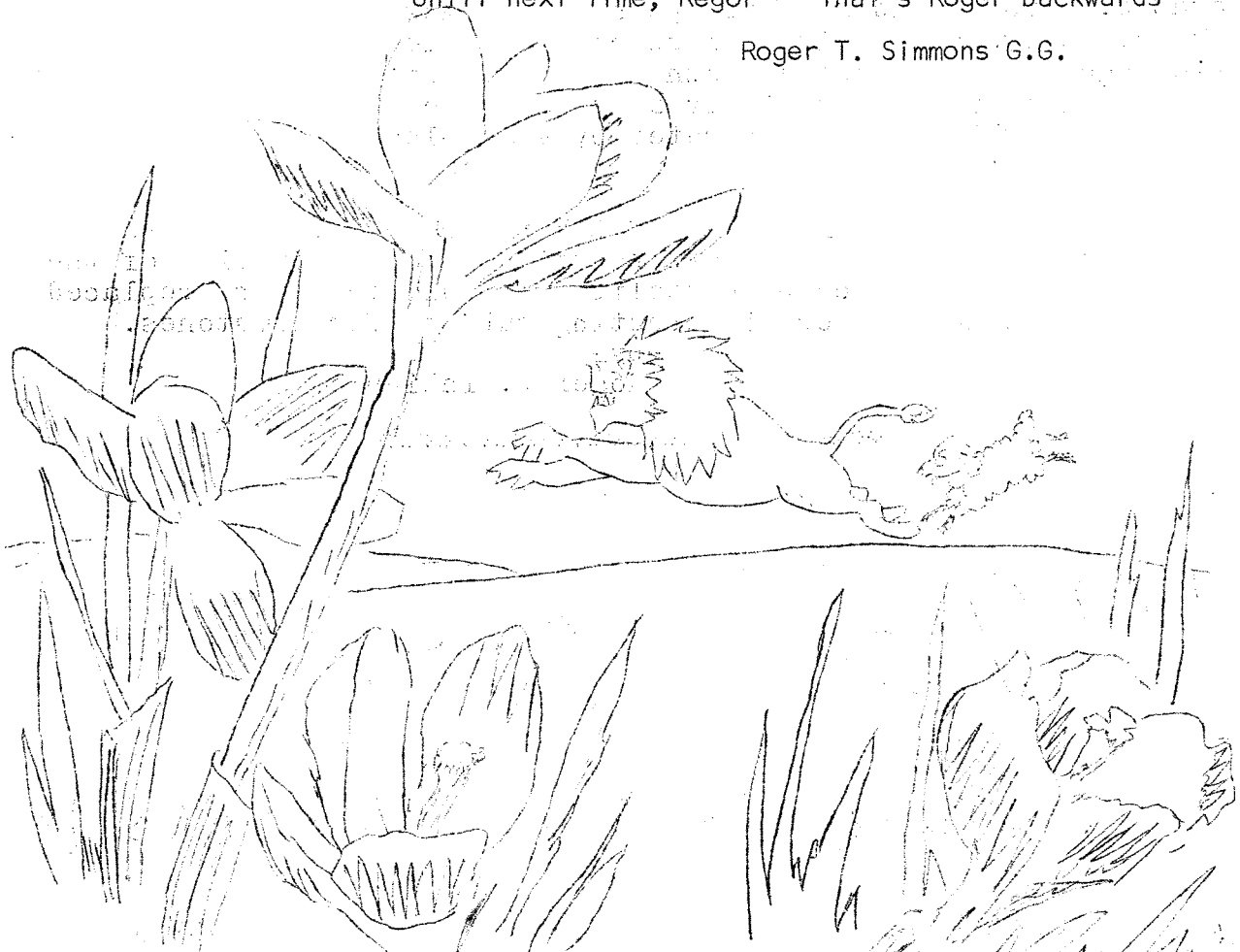
Finally, let's set the record straight about gemstones. I will always refer to gem material in the terms of "gemstones" - not "semi-precious" or "precious". I, as well as most gemologists, don't believe that all so called precious stones are such, as each species and variety has different gem grades, i.e...."one quality of jade in a ten-carat size may sell for fifty cents and another quality for \$1,000 or much more. A ruby may be a poor nontransparent quality and sell for \$2.00 per carat or it may be very fine and sell for \$5,000 per carat....almost every variety of the transparent gem species may occur in gem quality and be properly called a precious stone from a relative price standpoint, whereas another specimen of the same variety may be almost worthless....This is one reason for calling all stones GEMSTONES and not classifying them as precious and semi-precious. More important is the fact that the moment we call stones semi-precious, we have lessened their value in the eyes of the general public, and desirability and sale of many stones of great merit are thus substantially decreased."(2)

I hope this beginning article has whetted your appetite to study gemology as a hobby, as it will surely improve your gem appreciation.

(2) GIA COLORED STONES, Chapter 1, page 8, Copyright 1964, Gemological Institute of America, LAGA

Until next time, Regor -- that's Roger backwards

Roger T. Simmons G.G.



LAKE SUPERIOR AGATES

One of the most popular North American gemstones is the Lake Superior Agate. It derives its name from the Lake Superior Till or Red Till of Minnesota, and not from the fact that it was originally formed in the late Precambrian Keweenawan age basalt flows. Occasionally a specimen is still found enclosed in the basaltic matrix. Lakers, as they are often called, may be the real oldsters of the agate world as the Keweenawan Basalts are approximately a billion years old.

Lake Superior agates were removed from their basaltic host by Pleistocene glaciers during the last great ice age. The continental icecaps removed the agates from their place of origin, in the Canadian Shield, several hundred miles north and east of Duluth, Minnesota. The agates rode slowly advancing ice packs and were laid down as far west as southeastern Nebraska and as far south as southern Illinois. Many choice specimens are also found in Iowa, Missouri, Minnesota, Wisconsin, and Michigan.

Lakers make their most numerous appearances in gravel pits in Wisconsin, Minnesota, Illinois, and Iowa. Lakers are much harder to find in southeastern Kansas and southeastern Nebraska but some very large specimens are found there, especially in plowed fields.

Lakers are best known for their colors and their ability to produce matched sets of jewelry, the latter being an uncommon characteristic for agates. Browns and reds are perhaps the most common colors found in Lakers. Grays are a little less common. Blue, Black and green Lake Superior agates are almost unknown. They may often show a prominent white band which functions nicely as the subject of a gem. Some specimens have white bands separated by very clear bands which produces an effect of depth in the stone.

One of the most unusual phenomena of Lakers are eyes. Eyes are concentric bands of agate that are restricted to the outside of the stone. Eyes may have once been zeolite minerals that were replaced with agate. Eyes make a very interesting subject for gemstones.

-by-

Roger K. Pabian

1973 LGMC SHOW
May 12-13 (MOTHERS DAY)

BRING "MOTHER" AND BUY HER A BEAUTIFUL BAUBLE TO CELEBRATE

THE PRESERVATIONISTS

Various groups attack the gem and mineral collecting hobby as being destructive, anticonservation, careless of the environment, and even greedy and selfish. None of this is true except in isolated instances. In fact the very opposite is true. We are the conservationists, the lovers of all that is best in our environment, the preservers of scientific knowledge and of beauty.

I recently met a major highway contractor in an agate and fossil rich area. His company uses millions of tons of gravel a year. Unique fossils, splendid agates, jaspers and quartzes, are crushed along with limestone and chert and are spread on a road bed and covered with tar. Every collector in this state could hunt these gravel pits every day of the year and not carry off the amount of material used on one commercial company.

The careful collector takes home only what he thinks may be worthwhile. Granted, some may take home more than they or their friends actually need, but the point is they are not taking home what they think is junk. They are saving what they think may have a more interesting destiny than being part of a road bed.

What does the collector do with the gem materials he takes home? He cuts and polishes the best. He makes jewelry, book ends, art objects, carvings, collages, mosaics, intarsias. Or he may create cool inviting rock gardens with moss growing on rocks beside the pools. He may sell a few specimens or trade for different ones. He will probably donate some to his clubs, give some to Scouts, or other groups, and if he finds a real prize he may donate it to a museum, either now or through his will. None of this is destruction.

Anyone who can pick up a rough rock and think of it in terms of beauty and artistic or scientific interest is not bent on destroying things, he is dedicated to getting the most out of things, of saving the best for this and for future generations. Perhaps there will be little for the collector of the future to look for, but the hobbyists of the future will at least have much good material to work with that would otherwise be crushed for industrial use.

Many new fossils have been discovered in quarries by skilled amateurs. The study of these fossils has been made available to professionals, and often entire collections of valuable fossils have been donated to scientific institutions. Many of our amateurs have fossils named for them, and have the satisfaction of seeing their notable finds in museums. There are not enough professionals to cover all the locations which should be under surveillance, but there are enough amateurs. In a few cases eager new hobbyists with no training do manage to ruin a fossil, but these cases make the news because they are in the minority.

The charge that hobbyists are litter bugs does not hold up either. We had a field convention for 3,000 people and when it was over the Lions Club which had volunteered to clean the area found only six scraps of paper, which turned out to be cleaning tags for football uniforms. The primitive sanitary facilities erected in the rock beds by the Grassland Bureau are as neat and clean after 3 years as if they were in the back

continued

THE PRESERVATIONISTS....continued:

yard of our pioneer grandparents. This, in spite of the fact many hundreds of collectors visit this area every month.,

Many of our clubs meet in schools, community buildings, museums, and hospitality rooms of service companies or banks. Almost unanimously the people in charge of these buildings say they wish all groups were as clean, careful, and considerate as the gem and mineral clubs.

Our members are responding to the call for help of the ecologists and environmentalists, but it is not because of a feeling of guilt. It is because the very nature of the gem and mineral hobby is to preserve beauty and truth.

We do, however, have the obligation to police our own collecting hobby. We can train the young in the best collecting methods. We can impose and enforce limits in places where this is deemed necessary, for instance on some of the Public Lands. We can set up and maintain special collecting areas, parks, camping areas. We can teach collectors to make the best possible use of what they find. We can help school children learn the same respect for the earth sciences that we have acquired. And in the case of the few whose actions threaten the public image of all of us, we should disavow them as vandals and turn them over to the authorities.

--by

June Culp Zeitner, Contributing Editor, Lapidary Journal.

* * * * *

CONSERVATION AND THE WASHINGTON OUTLOOK

Outdoor Nation, a new organization, met with 60 organizations in Washington D.C. last Sept. Its objectives are to elicit information from every organization interested in land management and recreation and to lobby for these interests. The three major areas being considered now are: 1) private and federal recreational facilities, 2) wild life refuges, and 3) off-road vehicles. The organization is sponsored by a grant from the Ford Motor Co. This organization potentially represents the interests of 128 million Americans, including "rock hounds."

-via

"The Cycad"

Febr. 1973..

TRILOBITES

The Pah Vants Indians were of the Ute tribe. They believed these fossils were sacred and provided by the great spirit and possessed a power of magic. The warrior who wore a necklace of trilobite beads into battle was believed to be immune to enemy arrows. These neck-pieces were called "sigga-pits-nampa-tchey" by the Pah Vants Utes, meaning "lizzard foot beads".

They have been found among the bones and weapons of warriors where battles have been fought. These trilobites in matrix were called "Timpe-kan-tza-pachover"; meaning "little water bug in rock house."

Excerpt from an article written by "Bek" in Chips Off the Old Rock

Midwest Federation's NEWSLETTER

Published monthly except July and August as a service to members clubs.
All news, articles, subscription orders and requests for information concerning publication
should be sent to P. O. Box 1130, Des Moines, Iowa 50311



Issue No. 133 - March 1973

Send Your Delegate

Every Club Should Be Represented

by Mark Harris, 1st Vice President

Why should a club send a delegate to the annual meeting.

First, the club then has a vote, and a voice in the matters of policy of the Federation. Like last July, thirty eight percent of the clubs in the Federation were represented at the annual meeting. A small dues increase was voted. The vote was almost unanimous among those present, but if your club was not represented you had no voice in the decision. So do not complain when dues paying time arrives - and it has arrived - and you have to shell out that extra dime per member.

Next, a common complaint is heard by the state directors that communication between the Federation and the clubs is poor. Perhaps it is, with some clubs. If you have trouble in communication have your representative where he can do a lot of good by personal contact with the officers and committee chairmen. They will listen to you. The officers are dedicated people who want to help you iron out any troubles if they can.

Some clubs have committee chairmen among their members. You may say he can cast our vote. No, he or she cannot. Only one vote per person is permitted. His vote would be as committee chairman - not representing the club. He may vote the same way on a question that the representative would, but some measure might fail - or pass - by a single vote when the club would like the opposite just because the club failed to

Spring Meeting

The Spring Meeting of the Executive Committee will be held in conjunction with the Chicago Rocks and Minerals Society Show, April 7th - 8th, 1973. Further details will be sent out as soon as the final arrangements have been made.

All Committee Chairmen are requested to send their reports of their Committee activities to Jean Reynolds as soon as possible so that they may be included in the printed reports. This will help to expedite the meeting and will hopefully result in more time to enjoy the show.

send a delegate.

Your delegate would always see a worthwhile show and possibly bring home pictures and ideas that will help your own show.

Time is about here for you to decide on your delegate. Every club will have some member who would like to go to the annual meeting but who is hesitant to volunteer. It may cost the club nothing. At least, a small amount toward expenses may do the trick. Another point, actual expenses of your delegate less any financial aid is deductible from taxable income of the delegate in U. S. tax.

SEE YOUR DELEGATE IN CINCINNATI
IN JULY!

1973 Bulletin Contest

Again this year the Annual MWF Bulletin Editors' Contest for 1973 will be held in conjunction with the MWF convention, which is to be in Cincinnati, Ohio. The Editors breakfast is tentatively set for Fri. July 27. All editors are encouraged to attend the breakfast and to enter your bulletins in the contest this year.

Categories to be judged will be (1) Bulletins three pages and over, and (2) One and Two page bulletins.

Awards will be given to the top ten winners of the three and over page bulletins and the top three of the one and two page bulletins. These winners will also be entered into the AFMS contest.

The December 1972 issue is the one to be judged. Mr. and Mrs. John Burress from the Eastern Federation will serve as our judges.

Send one copy of your Dec. 1972 issue to Mr. and Mrs. John Burress, 37 Haven Terrace, Parlin, New Jersey 08859. Also send one copy of your Dec. issue to Paul W. Good, Bulletin Chairman, 118 N. Lindbergh Ave., Griffith, Ind. 46319. The copy sent to Paul Good will be placed on display throughout the 1973 MWF Convention and show in Cincinnati.

Your entries must be postmarked not later than March 25, 1973 to be eligible for the contest.



Johnny Horizon says

**THIS IS YOUR LAND
KEEP IT CLEAN**

PETER ROOKUS

303 E. Vermont Street, Bay City,
Michigan 48706 has been appointed
Anti-Litter chairman for the Midwest.

Another Mine Closed to Collectors

The following notice has been received by persons who held passes to hunt in mines of the Universal Oil Products Company. This effects persons mainly in the Ishpeming, Mich. area... the Copper Country.

This again points up the problem facing the rockhound. What can be done about it? A letter to MWF President Lee Kirby from Mr. and Mrs. Frazier Tubbs of Ishpeming, Mich., who brought this notice to our attention, will be published in next month's Newsletter. (We regret it could not be published this month due to space limitations.)

No. 133-125
August 18, 1972

UOP
Notice

Effective July 18, 1972, permits to explore rock piles owned by Universal Oil Products Company are no longer being issued.

This action is being taken for two reasons: 1) the drastic increase in vandalism that has occurred in buildings near various rock piles owned by the Company; 2) the hazards that these rock piles pose to the safety of persons climbing on them.

We regret that we must discontinue the practice of issuing permits but unfortunately the actions of a few persons who have caused destruction and vandalism have necessitated our taking this step in order to protect our interests.

- R. W. Johnson, President, UOP Realty Development Co., 10 Algonquin Rd., Des Plaines, Ill. 60016.

"TREASURES OF THE EARTH"... is the theme of the 1973 Midwest Federation Gem and Mineral show. The show will be held July 26 thru 29 in Cincinnati, Ohio at the Cincinnati Convention Center.

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

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: Midwest Federation of Mineralogical and Geological Societies (MWF)
American Federation of Mineralogical Societies (AFMS)
Nebraska State Association of Earth Science Clubs, Inc. (NAOESCI)
Community Arts Council of Lincoln (CAC)

REGULAR MEETINGS: 4th Saturday of the month, 7:30 PM, September thru May
W. O. W. Bldg., 732 S. 27th St., Lincoln, Nebraska

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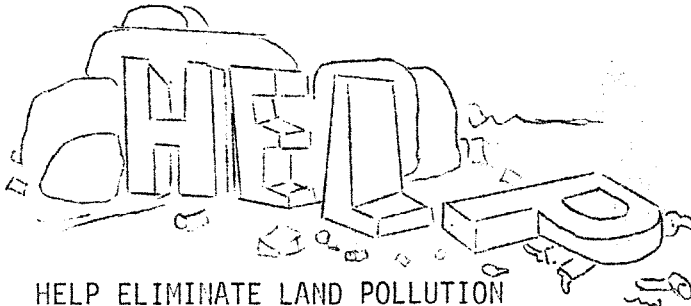
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