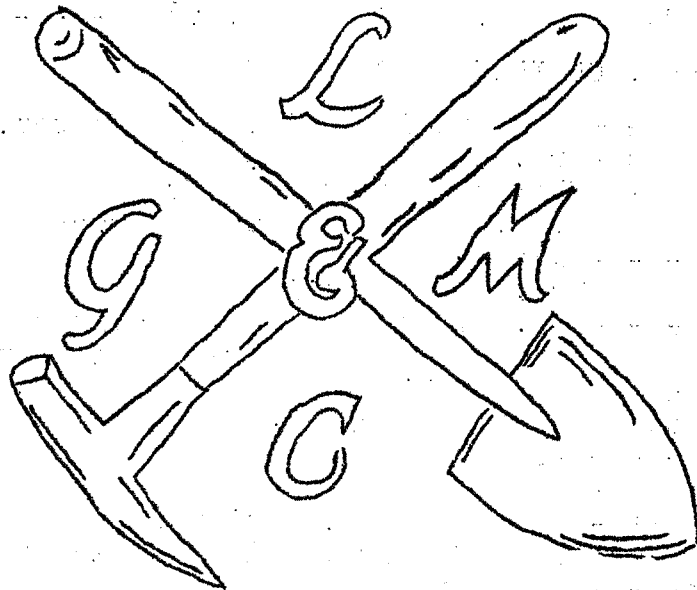


THE PICK & SHOVEL



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

Lincoln, Nebraska

SEP 1969

Official Publication of
THE LINCOLN GEM AND MINERAL CLUB, INC., LINCOLN, NEBRASKA
Box 29356

The purpose of the 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.

1969 ELECTED OFFICERS

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Board Member - - Frank Rule, 6333 Kearney Ave., 68507- - - - -466-0453
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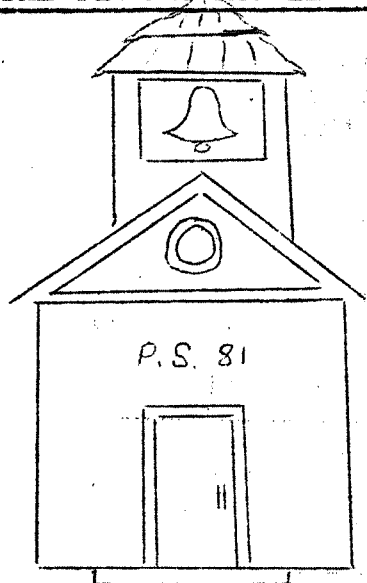
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Articles published in THE PICK & SHOVEL may be reprinted if credit is given and a copy of the publication is mailed to the editor. Annual subscription for THE PICK & SHOVEL (which is automatically included with full club membership) is \$2.00 per year.

AFFILIATED WITH
MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES
AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES



CALENDAR

SPECIAL MEETING!!!

WHEN...Sept. 13th, Saturday, 7:30 PM
 WHERE...WOW BLDG, 734 S. 27th St.

This meeting is being called in lieu of our regular meeting which falls on the 4th Saturday of the month, which in this case is our Show Date.

Items of business on the agenda will be the election of a nominating committee, and finalizing plans for the Show Sept. 27-28.

New detailed flyers are available. To help promote your show you may get them from Barbara Allen, publicity chairman, or at the meeting on the 13th. (We enclose one of them in this issue.)

SICK LIST...Lloyd Baugher is still hospitalized at Veterans Hospital. He is undergoing therapy and Louise says improvement is slow. Over a period of time, however, they can see progress which is most encouraging.

Miss Mary Claus, daughter of Fred and Jeanette Claus, and our Miss Rockrama of 1964, is in the Nebraska Methodist Hospital, 8303 Dodge St., Omaha, NB 68114.

It has been reported that Dr. F. S. Lange is back to a full schedule.

John & Lillie Lewis' daughter, Judy, is sporting crutches. We hope you can chuck them soon Judy.

COMING EVENTS:

- | | |
|-------------|---|
| Sept. 13-14 | Pueblo Rockhounds Annual Show, Pueblo, Colorado |
| Sept. 13-14 | Ft. Randall Gemites Swap & Picnic, Pickstown, SD |
| Sept. 13-14 | Lake Erie Gem & Geological Soc. Swap & Display, Wellington, Ohio |
| Sept. 19-21 | Bloomington Mineral Club Gem & Mineral Show, Minneapolis |
| Sept. 20-21 | Anoka Co. Gem & Mineral Club Show, Fridley, MN |
| Sept. 20-21 | Federated Council of Gem & Mineral Societies Show, Denver |
| Sept. 26-28 | Colorado Archaeological Soc. sponsors the Loveland Stone Age Fair, Loveland, Colorado |
| Sept. 27-28 | LINCOLN GEM & MINERAL CLUB, INC., 11th ANNUAL GEM & MINERAL SHOW, PERSHING AUDITORIUM, LINCOLN, NEBRASKA |
| Oct. 4-5 | Arbor Valley Gem & Mineral Club Show, Nebraska City, NB |
| Oct. 10-11 | Maplewood Mineral Club Show, St. Paul, Minnesota |
| Oct. 11-12 | Racine Geological Soc. Show, Racine, Wisconsin |
| Oct. 11-15 | Mid-Iowa Rock Club Show, Marshalltown, IA |
| Oct. 17-19 | Platte Valley Rock & Mineral Soc. Show, North Platte, NB with cooperation of 100th Meridian Rock Club & Prairie Rock Hounds |
| Oct. 20-26 | River Valley Rockhound Club Show, Fort Dodge, Iowa |
| Oct. 25-26 | Oklahoma Mineral & Gem Soc. Show, Oklahoma City, Okla. |
| Oct. 25-26 | Hutchinson Gem & Mineral Soc. Show, Hutchinson, KS |
| Nov. 1 | Ft. Smith Rock Club Show, Ft. Smith, Arkansas |
| Nov. 1-2 | Chanute Gem & Mineral Soc. Show, Chanute, Kansas |

ROOM 104...October 1st, Rm 104 will be opened to go to work in again. It will be open from 7:00 to 9:30 PM Wednesday evenings, (use east door). If you arrive late, try the west door for that is the door used for the Sky Show.

Come and help any Wednesday you can spare the time, or just to gossip with a rockhound or two. I'm sure Charles will find something of interest to work on and I know there is some unfinished work that has been waiting all this time to be completed. Looking forward to seeing you,

Ye Alde Dirt Digger - Dot.

CONGRATULATIONS HELENA!!! She is winner of a Purple Ribbon at the State Fair for her entries of sterling silver jewelry with jade. (Some of her work included large cabachons, unmounted; some of chrysoprase.)

Florence Boring vacationing in California (water skiing yet) writes that she will have a report on the National Show at Salt Lake City in our October issue of P & S. The Youngs & Dr. Neihardt will verify her statements. (We'll be looking forward to this report Florence)

How about a report on the elusive from the "Dirty Dozen" who hit the road for Wyoming and points west...??

Sunday, Aug. 31, was a good day for me to attend the "1969 State Rock Show." This particular show was conducted by the combined efforts of 14 clubs in the State of Nebraska, Omaha being the host club this year.

Nine dealers from 8 different states were there to provide almost anything, including fossils, artifacts, minerals, machinery and findings, as well as the usual accessory items.

In addition to the rock piles for the kiddies, there was a swap table, and a demonstration or lecture scheduled for every hour on the hour.

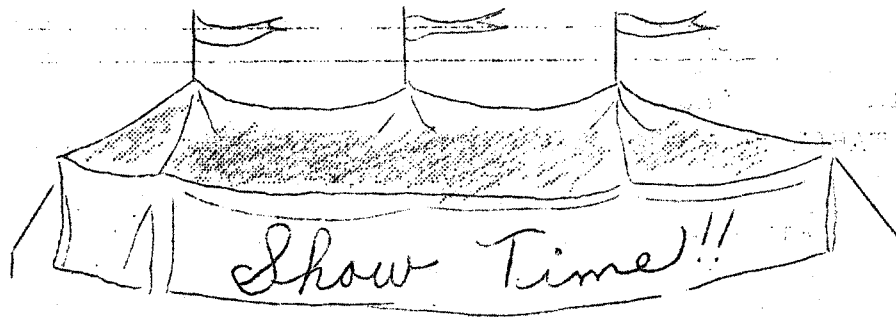
Among the many fine displays two in particular impressed me. Bob and Mitzi Brown presented several carvings from quartz, jade and tigereye that had been done in the Orient. The detail and finish on the statuettes was amazing to me. I certainly admire craftsmanship of this high caliber. They also included several pictures, fashioned from cut stone, that were very cleverly conceived. The pieces were selected in such a manner that the natural banding and markings in the stone fit into the design.

The other display was the impression of the Indian Petroglyphs, presented by Howard and Harvey Kenfield. I had seen some of these before but I never cease to be fascinated by their project.

I certainly appreciate the diligence of these people and their willingness to share with the public.

- Ralph Ulrich

POSTED IN GOVERNMENT OFFICE: "The man who knows what he is talking about can afford to use words everyone understands."



Lloyd Lederer, Show Chairman, has plans well developed - now everything needs to fall into place with everyone giving a hand with their own displays to be ready for the public.

The auditorium will be open for entry at 6:00 PM Friday, Sept. 26. A map giving direction of the one-way streets is included in this bulletin on the back of the flyer.

If you have already contacted Frank Rule regarding the number of cases or amount of space you will need for your display...fine. Frank reports he has had good response and cooperation in spite of the number of people on vacation.

SOME SPECIAL EXHIBITS for our enjoyment are a reproduction of the Great Seal of the United States (details of which are included in an article in this issue) Jupiter's Jewelry - fifteen giant pieces of jewelry weighing 122 lbs. The Masque of the Ancients - a copper mask 1½ by 2 ft. adorned with stones. Featured in Gems & Minerals in 1957, 1961, and 1963.

ADVERTISING...Bobbie Allen is most grateful to the many people who have been more than cooperative, working hard to help our publicity campaign click. Now it is up to our members to use this publicity to their advantage in selling tickets. See the partial listing of advertising below, then - "Go tell it on the mountain"....

New flyers giving more specific details are available and one is included in this issue. Fringe time (early and late night and some daytime) television spots have been lined up with KOLN TV beginning Wednesday, Sept. 24 through Saturday, Sept. 27! Spot announcements on KLIN radio will be given in the days prior to the show! An interview with Leta Powell Drake is on the agenda! The banners across O St. will be in place again during the week before the show. Window displays are being arranged...one at National Bank of Commerce, 13th & O Sts. will be in effect from Sept. 5 through Sept. 12. Flyers have been in the mail to various clubs since April, in addition to being distributed at the various shows throughout the state and adjoining states. The State Fair attracts many, many people and we have covered that area in advertising. As the date nears we all can make an effort to get our show date before the eye of the public.

A word to the wise in the following poem contributed by Ralph Ulrich:

The codfish lays a million eggs while the lofty hen lays one,
But the codfish doesn't cackle to tell us what she's done.

Now we don't take note of the codfish, but the lofty hen we prize,
This should prove to you and me - IT PAYS TO ADVERTISE!

(continued next page)

SHOW TIME (continued)

MEMORY TABLE to be arranged under the guiding hand of Marie Taylor.

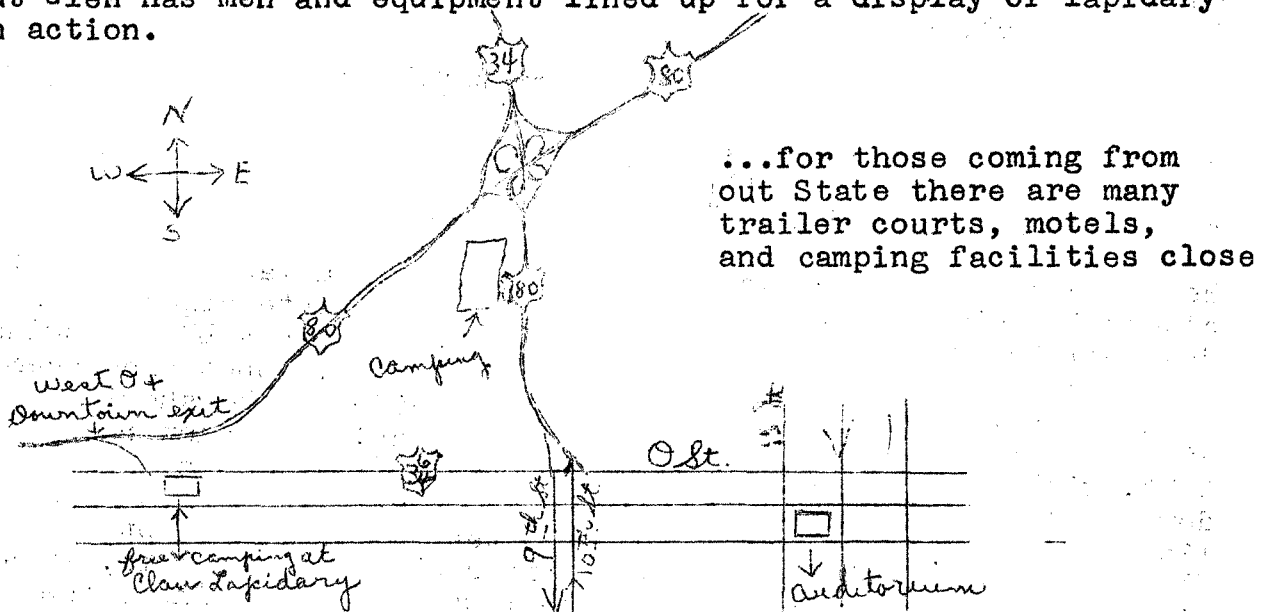
ADVANCE SALE OF TICKETS...Chairman, Jerry Kohn, has mailed advance tickets to all members. The going price is again \$1.00 for one ticket and one free pass... Let's let selling tickets get out of hand this year...it would be great if Jerry did not have to be on hand for the return of unsold tickets. A prize is being given for the largest number of tickets sold. Monies collected for sale of tickets, and any unsold tickets may be given to Jerry any time during the show but before the show closes Sunday night as an accounting must be made in the state sales tax report.

PRESIDENT'S DINNER...Saturday, Sept. 27, 9:30 PM. Lloyd Lederer is making arrangements and will have complete details at the special meeting on the 13th for those interested. Advance reservations are necessary.

SCHOOL TICKETS are again being printed and will be distributed to the various grade and junior high schools throughout the city and surrounding area.

BLACK LIGHT ROOM...under the supervision of Tod Ashmun is being readied and Tod reports he has his committee well in hand.

WORKING SHOP...with Glen Ulrich at the helm has yet to be set up but Glen has men and equipment lined up for a display of lapidary in action.



ANNOUNCEMENT...Lapidary Classes are again being offered at City Recreation Center #2, 23rd & O Sts., 7:30 PM - starting Sept. 15, 16, & 17, in a 10 week course. Beginners \$5.50, advance students \$8. For registration and information call Dorothy Lougee, 423-2391 or John Lewis 466-7289.

ANNOUNCEMENT...Roger Simmons announces the opening of his unique new shop "Simmons - The Jewel Gallery", Varsity Theater Bldg. 432-3951. Good Luck Roger...we're anxious to see the "in" thing.

REMEMBER...cards and letters to Mary Claus at Methodist Hospital in Omaha. She is still critical but looks forward to the mail.



**LINCOLN GEM AND
MINERAL CLUB, INC.**

11th Annual GEM & MINERAL SHOW

SEPTEMBER 27 & 28, 1969

10 a.m. to 9 p.m. SATURDAY; • 10 a.m. to 8 p.m. SUNDAY
PERSHING MUNICIPAL AUDITORIUM Lincoln, Nebraska

SPECIAL ATTRACTIONS

* THE GREAT SEAL OF THE UNITED STATES
An 84-lb. reproduction of the Great Seal done in stone. Won the 1963 San Jose Show.

* JUPITER'S JEWELRY
Fifteen giant pieces of jewelry weighing 122 lbs. Another award winner.

* THE MASQUE OF THE ANCIENTS
A copper mask 1½ by 2 feet, adorned with stones. Featured in Gems & Minerals.



* WORLD-WIDE SHELL COLLECTION
Shown by Leonard Hill III, winner of an international trophy.

THREE PROGRAMS DAILY

Including a fluorescent display and lecture, an illustrated talk on Turkey, and the renowned Astro-Electronic Cabbng Machine.

- Gem Faceting
- Silversmithing
- Petrified Wood
- Working Shop

**Twelve Dealers
will be in attendance**

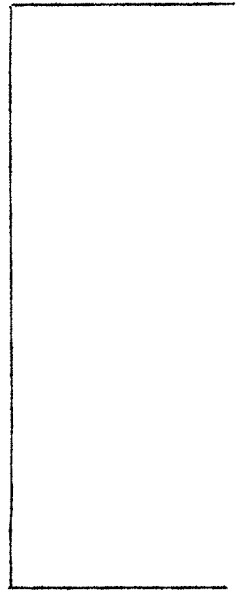
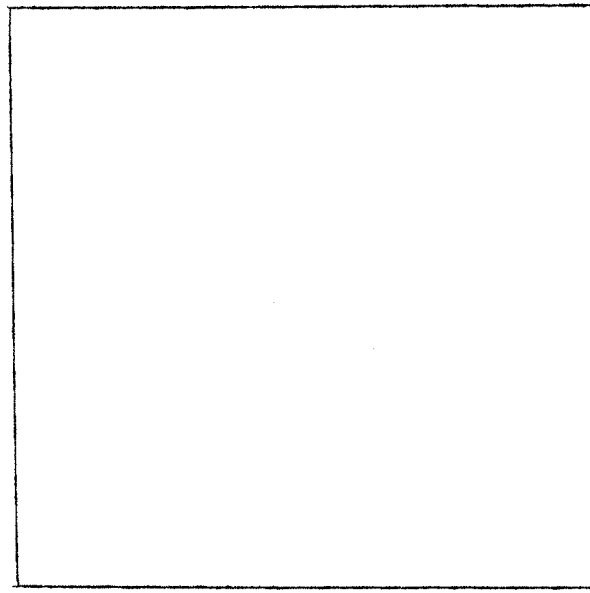
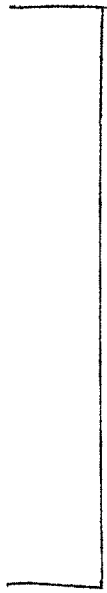
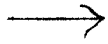
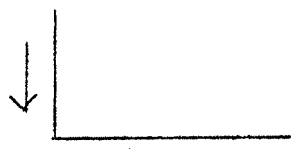
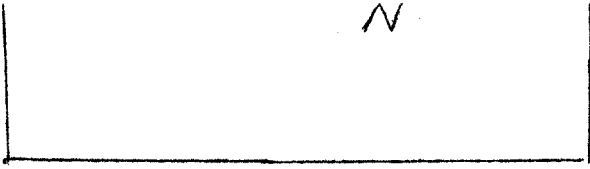
* Over **200** Individual Exhibits -
▪ GEMS, MINERALS, CRYSTALS,
▪ FOSSILS, FLUORESCENTS, ETC.

Admission
Adults Children
\$1.00 50¢

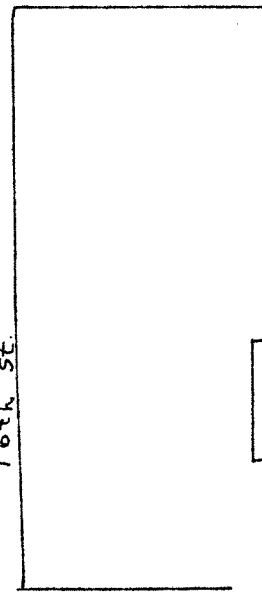
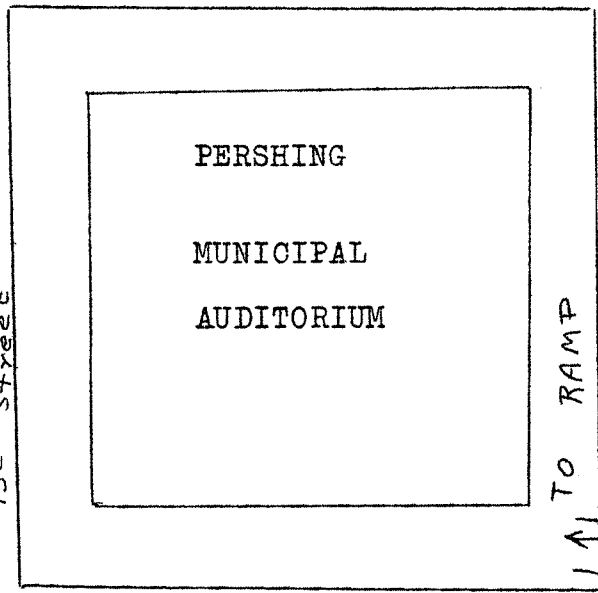
Plus Many Other Attractions

SHOW CHAIRMAN: LLOYD LEDERER, BOX 29356, LINCOLN, NEBRASKA 68529

O St



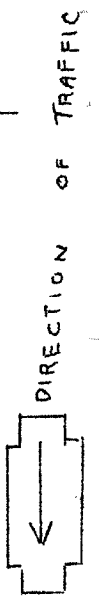
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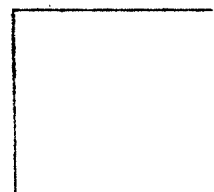
15th Street

TO RAMP

16th St



M St



THE GREAT SEAL

(see picture on our show flyer)

Helen Mandeville of the Verdugo Hills Gem & Mineral Society, California, sends along this description (in part) of the production of this special feature to be seen at our Show.

A picture of the Seal was blown up to size; the design was traced on paper, cut into parts, and distributed to club members for the cutting and polishing.

The lovely flag (or more correctly called the shield) is of Shattuckite for the blue, and white jade for the white stripes. A true red was not to be found so in desperation they turned to glass slag, a truly beautiful red. The eyes of the eagle are of blue spinel. Petrified wood, howlite and jasper are combined in the head and yellow beak. The wings and legs are of brown petrified wood. The tail, made up of 22 separate pieces, matches the wings in color and material and the white feathers are made of howlite.

The olive branch clutched in the eagles talon has a stem of aventurine with leaves of Happy Camp "jade" (also known as idocrase.) Fifteen pieces make up the olive branch and there are thirteen tiny dark green olives.

The arrows of war held in the other talon are made of obsidian, with silver, and white wood for the quills.

The background in the constellation above the eagles head is of tigereye with silver stars on a blue shattuckite inset. The clouds are of white quartz.

The background of the large circle on which the eagle is mounted is made of white marble, edged with tigereye.

The reverse side of the Seal has a pyramid of California marble. At the base of the pyramid the Roman numerals are of silver wire. On the cap-stone above the pyramid is the "all seeing" eye made of quartz, the iris is azurite and pupil is obsidian. The rays around the cap-stone are of the beautiful cacoxinite.

The letters "Annuit Coeptis" were made of silver by the sand casting method. Other letters were carved in wax and cast in silver by the centrifugal method.

The background of this circle is made of pale blue marble for the sky and lacy onyx for the ground.

The Great Seal records in design the words and thoughts of a great nation - peace, strength, unity, growth and freedom. Throughout history people have used emblems or symbols to stand for an idea. Seeing the Great Seal in gemstone should be a reminder of our American heritage and should be an aid in understanding its meaning.

TALKTEETNA THUNDER EGGS

Lloyd Lederer, our Alaska traveling Show Chairman, shares with us this most interesting story from a recent issue of the Alaska Sportsman magazine. It was written by a rescued rockhound flyer who was downed in his Supercub in the Talkeetna Mountains in the Land of the Midnight Sun at an altitude of 5500 feet. Miles from civilization and the nearest road he made a signal fire...sacks of reindeer moss and a few tufts of grass saturated in gasoline from his ill-fated plane. Sacks in which he had hoped to carry out mineral specimens. He needed rocks to hold down the sacks, and to wall in some of the precious flame for a better signal as darkness approached. There were no rocks visible but he had slipped on something rounded and hard...he picked up the sone, a knobby, rounded affair. Just a mud ball with a hard crust, like many he had seen in other parts of Alaska. He kicked and shoved to dislodge vegetation on top of a larger one. There were several underneath...a whole bed of them! One was broken...unbelievable...Agate! Beautiful, green agate! A thunder egg filled with agate. He knocked one against another, it burst...a shattered geode with quartz crystals were the result of this effort!



The volcanic ridge on which he was stranded was studded with thunder eggs! In the 30 years he had lived in Alaska he had previously found a few but only one at a time and usually in creek beds...these were in formation! Thousands of them! Thunder eggs with such a colorful matrix, some green with orange or reddish-brown spots. Later it was proven these "eggs" were fluorescent.

As previously stated, he was rescued but was unable to take out more than a few "eggs" for samples of his find. With these he was able to influence a flyer friend to return and effect another landing (right side up, this time) in the thunder egg area where they were able to get his plane back into flying shape, but take-off was a different proposition! Although his buddy could land there if the wind was just right, he was afraid to try take-off with any sort of load. Down a thirty-degree incline smack into the face of a ridge, which, if one didn't clear it, gave no chance for a second try. This was serious flying. Mean enough to take the joy from rock hunting.

Even though the flyer managed to get his injured plane out he knew he would never have the courage to try to land there again. But his Buddy did! They went in and sacked up thunder eggs. Yet the wind was never just right for trying to get them out. Only a few precious specimens came out with them after staking a claim.

The only way to reach the area was by air, and they would go back, of course! But the wind was never just right...perhaps when the snow fell it could be done on skis??? The snow did fall and they went back in on skis, but the snow was so sticky that it looked as

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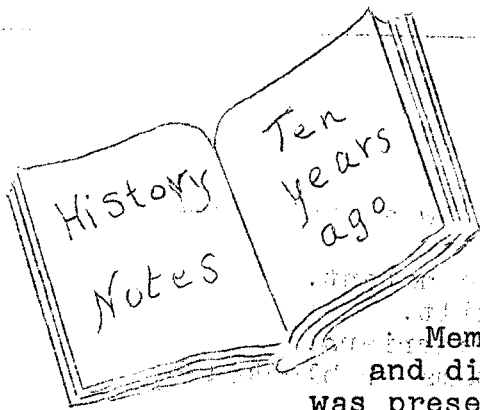
TALKEETNA THUNDEREGGS (continued)

though they would be unable to get themselves out, much less the sacks of rocks. The best that could be done was to mark the spot again where the thunder eggs were now snow covered and wait until summer.

Spring came, his livelihood of dairying proceeded as he fought the desire to go after those "eggs". His buddy made several tries throughout the summer but never found the wind right and it was too great a risk. Finally, in spite of the cost, a helicopter was hired, just before snow fell, and they were successful in taking out over a thousands pounds.

Perhaps the most intriguing fact about these "eggs" is that no two are alike...some filled with quartz, some with amethyst, some with agate, or common opal, and a combination of these silicas is found in some specimens. The opal is usually green, bright orange, or blue-white.

Thar's more than gold in them thar hills, and you can bet rock hounds will find it...all the more reason for us to want to visit and get to know our 49th State. (Thanks Lloyd for letting us experience a bit of risky hunting.)



The September meeting was held at Morrill Hall.

Mr. Walter Moser won the door prize - a 22 carot necklace donated by Dean Shipper. To the enjoyment of everyone, it turned out to be 22 carot slices on a string.

Members told briefly of their vacation trips and displayed their braggin' rocks. Each one was presented with a "Rockhound Pedigree" certificate.

A rock auction netted the treasury \$11.60.

Our second annual club field trip was made to Fort Robinson over the Labor Day week-end.

from the notebook of Historian - Frances Tracy

SAPPHIRE -- September birthstone -- is best known as the blue variety of corundum. It may, however, be almost any color except red (red corundum is called ruby). Hard, durable, and not too common or too rare, sapphire is a popular gem. It occurs in six-sided crystals, often barrel shaped. The Persians believed that the earth rested on a giant sapphire, whose reflection could be seen in the sky. It was a symbol of the truth, sincerity and constancy, and it was believed to protect the wearer from poisoning. In the Promethean legend, Prometheus was forced by Zeus to wear a small chain on his finger, with a saphire attached to remind him of his sin in stealing the fire of the gods to give to man. -via Earth Science Magazine

NO NEWS IS GOOD NEWS...a universal language...my friend in South Africa reports receipt of a two page letter of blank paper from his friend on a trip to India. A man of few words! An indication that all was going well otherwise he would have written. (Thanx Jer)

REPORTED...oldest fossil remains ever found! The minute specimens (.000039 inch) were found in rock formations in Transvaal, South Africa and date back $3\frac{1}{2}$ million years. They are so tiny they can be seen only through an electron microscope which magnifies things 50,000 times!

LUMP OF AMBER...found in Cliffwood, NJ, contains the world's oldest ants. They have been described as "a real missing link" in the evolution of insects. The ants are 100 million years old; 40 million years older than any previously known. via The Rockette

TO MAKE SURE jewelry displayed in a case does not tarnish, display it on paper or cloth that has been sprayed with chlorophyll.

WELL-OFF WELL - Most residents of Kirschweiler, Germany cut, cleave and polish valuable stones. Thus, when they rebuilt an old well in the village square, they made it a monument to their trade. It glitters with agate, amethyst, turquoise, opal and other semi-precious stones. (via Bobbie)

STRADDLE LEG CLOTHESPINS make good dop sticks. They are large enough to make for easy handling and can be set over the edge of a box. via The Rock Chipper

WHAT IS IT???

It's as old as man himself, yet as new as this moment
or the next.

It's everchanging and somehow ever constant.

It's stronger than any wall ever built.

It overcomes politics and national barriers.

It can't be blinded by strange customs or blocked by
foreign languages.

It has been written about and analysed by wise men,

Yet it has never been defined, and never will be.

You can't see it or touch it, yet it is everywhere.

It survives weakness and neglect, thrives on thoughtfulness.

Its possibilities are infinite, its strength limitless.

It's what makes man human, what makes life worth living.

IT'S FRIENDSHIP.

IDAHO derives its name from the Indian expression meaning "the sun is coming down from the mountain tops. mjc

COMMON BERYL, used industrially, may occur in huge rough crystals such as the two weighing 25 and 18 tons from Maine, the the 40-ton monster reported from Madagascar.

SIX-SIDED DISKS of aragonite are known in Wyoming and Colorado as "Indian dollars" and in New Mexico as "Aztec money".

Midwest Federation's NEWSLETTER

Published monthly except July & August as a Service to Member Clubs
Editor: Haydon Peterson, Route 5 - Box 229, Des Moines, Ia. 50317



Issue No. 97 - September 1969

THANK YOU

There is no way I can really thank the wonderful South Dakota club members for their hard work in putting on the Federation's 29th Convention. I know the handicaps these dedicated workers had to put up with... long distances between clubs and committee members, bad weather, slow communications, small towns not prepared for huge crowds, many members who had never attended conventions before having to plan one, but I know too how these South Dakota collectors have worked together as friends ever since the first club was organized in the state. So I was confident that they would work together for the Midwest Federation. It is my duty as President to thank the Host Clubs, but more than that I want to say how proud I am of these clubs and the many co-hosts throughout the state who made the convention a success. Thank you, all, from the bottom of my heart.

June Zeitner, MWF Pres.

WELCOME NEW CLUBS AND INDIVIDUAL MEMBERS

Our Membership Chairman, Roy Meyenberg, reports five new clubs and eight new individual memberships to our growing MWF family.

THE MOUNT CLEMENS GEM AND LAPIDARY SOCIETY, Melvin L. Berry, Pres., 238 1/2 North Avenue, Mount Clemens, Michigan 48043

THE SYCAMORE VALLEY LAPIDARY AND MINERAL SOCIETY, Mr. O. G. Langham, Pres., 410 S. Park St., Mason, Michigan 48854

MADISON COUNTY ROCK HOUNDS, INC.
Mr. Amel Priest, Pres., Peru, Iowa
50222 (continued page 2)

CONVENTION HIGHLIGHTS

Over 2500 members of the Midwest and its sister Federations gathered at Murdo, S. D. for the Field Convention. The Editors Breakfast, hosted by Florence Iverson and the Annual Council Meeting, presided over by June Zeitner, were first day events. Registration in the Auditorium kept Gertrude Larson and her committee flying, but displays by the Midwest Federation, Charles Smart, S. Dakota Geological Survey, S. Dakota Outdoors Div., and a silent auction, kept waiting lines entertained. Photographers from the Omaha World Herald, KELO-TV and the Rapid City Journal were joined by the South Dakota State Travel Bureau in interviewing and photographing guests. There were a few area rock hunts. At 5:00 P.M. Gov. Frank Farrar, Col. Kickland, Dr. Duncan MacGregor, S. Dakota Geologist, D. J. Cline of the S. Dakota Travel Division and U.S. Ranger William Hardman welcomed the group to S. Dakota, and following the ribbon cutting by June Zeitner, Convention Chairman Bob Wilson, and Gov. Farrar, the Murdo Lions Club said "Welcome" by feeding western beef with all the barbecue trimmings to 2700 people in less than 50 minutes. The live auction featured three licensed auctioneers who had no trouble getting "show" prices for the wonderful variety of materials donated.

Friday, June 13th turned out to be the coldest day on record for South Dakota for the month of June. Four inches of snow fell in Rapid City and snow was mixed with rain in the higher elevations of the Badlands. Nevertheless over half of the good natured rockhounds donned warm clothes and rode in buses to the alluvial rock beds of the Interior area. Plans of hunting in the prime area, the Weta basin, had to be abandoned because of impassable roads in such weather. (One rockhound tried it, and got (continued page 2)

convention highlights... from page 1

so hopelessly stuck it took him 13 hours to get out.) Collectors at Interior succeeded in finding over 60 Fairburns, plus lots of other kinds of cutting material. Tumbling size chalcidony pieces of several colors literally paved the road. Meanwhile back at the Auditorium the biggest rock swap ever held in the upper Midwest was going on. Most guests made some good swaps and had a chance to get acquainted with the host clubs... even the Field guides who came in cold and wet toward evening. Free coffee was served by the Pierre Chamber of Commerce throughout the convention. Free shuttle buses took people down town to see the window displays of South Dakota rocks, minerals, and fossils, to their motels, to the restaurants, and to the churches where special meals were served.

Because of the mud, the Saturday trip had to be in the same rock beds. Many collectors drove in their own cars and others took the buses. The Civil Air Patrol, in charge of Field Safety, estimated 1700 in the Field. Others went farther on along the gravel road toward Scenic or toward Wall or even to the Black Hills. Several fine jasper brachiopods and gastropods were found near Interior as well as several pieces of cycad.

The medical unit of the South Dakota National Guard had a field hospital at Murdo and took care of several minor emergencies and first aid calls. Dr. Robert Hayes of the University of South Dakota was in charge.

The annual Federation Banquet, planned by Beverly Andrews and her committee, was attended by over 600. Merit Award Certificates were presented to the 1969 winners by the President. A. I. Johnson, South Dakota Mine Inspector, told about the bonanza days of prospecting in the Black Hills and the record minerals and crystals. Members of the Sioux Falls club were responsible for the unique favors of Sioux Quartzite. Verne Montgomery was MC. June Zeitner introduced Russell MacFall as the President for the next Federation year, and Ellis Courter, immediate past President presented the Past President's Plaque to June. Pictures were taken for Earth Science and other publications by Steve Nelson, Editor of the South Dakota Newsletter.

Slide shows and movies were shown free at the Murdo theatre. Maps, books, and magazines were available. One booth sold dinosaurs for the children's party which was planned by Mrs. Dorothy Rice. A hayride, weiner roast, and street dance was also planned for teen agers.

Sunday trips were scattered, but most of them were in the Black Hills or western part of the Badlands. Most people were lucky enough to draw their first choice on Sunday trips. They were given directions for the time and place to meet their guides. Most of the Sunday trips reported some excellent finds. The Sturgis Chamber of Commerce gave a free breakfast to people who went there. The Ree Heighs Ranchers served free coffee to that group. Almost every attraction in the Black Hills gave discounts to those wearing convention badges. Many visitors went on to Salt Lake City, while some stayed in South Dakota several days. A week after the Convention there were still a number of rockhounds camping in Murdo. The residents of Murdo reported that they had never seen such a friendly and good natured group of people. There was absolutely no litter left by the guests. The Convention Committee has a stack of thank you letters from all over the Federation and the host clubs said that they enjoyed the chance to meet members from other states and to do something for the Federation.

IN EARTH SCIENCE SEPTEMBER-OCTOBER ISSUE

Fellow members of the Chicago Rocks and Minerals Society know Anthony Gricius as a painstaking student of mineralogy. We are pleased to present his "Skeletal Galena Crystals" in the September-October issue of Earth Science Magazine. Do words like "holotype" confuse you? Harrell L. Strimple of the University of Iowa explains them for fossil lovers in this same issue.

Mary Cornwell for Earth Science

CLUB OFFICERS

should be looking soon for the proposed revisions of the Midwest Federation By-Laws. Bernice Rexin, past President of the AFMS as well as Midwest, with Howard Knight, Cal George, and many others worked on these revisions all year. The accepted proposals represent the best of ideas and compromises worked out by the Executive Committee, and the proposals as mailed to you were voted on and accepted by the Executive Committee at the meeting at Murdo. Clubs are asked to vote soon on the revised By-laws as it is felt the Federation will greatly benefit from the updated document. If there are any questions feel free to write to Mrs. Rexin, Mr. Knight, or any of the Past Presidents Advisory Council or current elected officers.

THE SPECIAL DISPLAY COMMITTEE

has a list of special displays for shows in the Midwest. This will be sent to each club in October. Show Chairmen, be sure to ask whoever gets your club mail, about this list.

EACH CLUB

is receiving two free copies of the new Federation Bibliography of Earth Science Publications. More may be purchased through Verne Montgomery, 830 Sheridan Place, Downers Grove, Illinois 60515

welcome new clubs... from page 1

THE JAMES VALLEY NATURE CLUB, Mr. Raymond O. Wolf Pres., 1483 Third St. S.W., Huron, South Dakota 57350

THE THREE LAKES ROCK CLUB, Mr. John H. McCormick, Pres., Route 1, Three Lakes, Wisconsin 54562

Individual Memberships

MR. & MRS. MELVIN L. BERRY, 238 1/2 North Avenue, Mt. Clemens, Michigan 48043

MR. ARDITH L. PHILLIPS, 926 Neely Avenue, Muncie, Indiana 47303

MR. C. C. GREEN & MRS. EDITH GREEN, Box 6, Group 328, Route 3, Winnipeg, Manitoba (Canada)

MR. & MRS. EDWARD ZETTERBERG, 1101 N. Jefferson, Muncie, Indiana 47303 (Roscoe L. LaRue is on this family membership)

MR. & MRS. E. L. THOMPSON, P.O. Box 221, Montgomery, Illinois 60538

Jim Hanten, Convention Treasurer says that a full financial report will be issued early this fall, and that although the convention was planned as a break-even proposition, it is apparent that everything is in the black and there will be a small profit for the Federation.

SCHOLARSHIP
SCOREBOARD

Reported by Katharine Steinbrenner

Are your club members using the Betty Crocker Cupboard Door Envelopes to remind them to save the coupons that are found on, or in, every package of General Mills products? If you wish to start using these envelopes send me the number of member families in your club and I will see that they are sent to you. One of our larger clubs wrote that it was a lucky day for them when they asked for the envelopes. (Just recently received 1332 coupons from them and the time before they sent in 1832 coupons. So the envelopes do help remind you to save the coupons for us.)

Congratulations and a big thank you to the following clubs for their loyal support of the Scholarship Foundation and their contributions that advanced them to a higher status:

100%

Homestead Gem and Mineral Club
Lincoln Orbit Earth Science Society
Sioux Empire Gem and Mineral Society

200%

Kettle Moraine Geological Society
Piasa Rockhound Club

300%

State Line Gem and Mineral Society

400%

Black Hawk Gem and Mineral Society, Waterloo, Iowa
Midwest Mineralogical and Lapidary Society of Dearborn.

500%

Lakeland Gem Club

900%

West Suburban Lapidary Club

1100%

Peru YMCA Rock and Mineral Club

Keep up the good work... coupons and pennies soon add up and make "Dollars for Scholars".

AFMS WINNERS IN THE 2nd ANNUAL
PUBLICATION CONTEST

Midwest:

The Prospector, Muskegon County Rock and Mineral Club. Paul and Nancy Schultze, Eds.

California:

The Petrograph, Mineral and Gem Society of Castro Valley, Calif. Martha Peters, Ed.

Northwest:

The Rockhound Special, Three Rivers Mineral Society. Isabelle Mattison, Ed.

Texas:

The Boxar Facts, Boxar County Rock and Mineral. Mrs. James Stewart, Ed.

Eastern:

Chips and Facets, Miami Mineral and Gem Society. Wanda Wasilkowski, Ed.

Rocky Mountain:

The Sooner Rockologist, Oklahoma Mineral and Gem Society. Lucille McLennan, Ed.

Best Federation Level Publication:

Texas Federation Newsletter, Mignon Wagner, Editor.

INVOCATION FOR
GEM AND MINERAL CLUBS

(As given by June Zeitner at the opening of the Council meeting in Murdo, South Dakota.)

Father, You have given us the eyes to see and the minds to observe and appreciate the wonder and beauty of this world. Give us the hearts to share it. You have taught us to seek to understand this rocky world; teach us also to understand each other. Help us to use the lessons of science and the artistry of stone to enrich our journeys here. May our work be worthy of your blessings. Amen.

MERIT AWARD WINNERS

Comments Concerning the Merit Awards by Leo Yanasak

As many of you know the plan of giving Merit Awards to clubs for outstanding services to their communities was initiated by the Midwest Federation several years ago. The plan quickly spread to the other Federations and was taken up as a project of the American Federation's Education Committee. Joe Bloom, who served the Midwest for several years as Education Chairman, is now chairman of the AFMS Education Committee. Before the AFMS took up the project the Midwest Federation had a Merit Awards Chairman whose duty was to select those clubs to be honored. In order to better coordinate the work of all the Federations, the AFMS requested that the entire project be made a part of the Education Committees work. Each Education Chairman was directed to select up to twelve clubs for the Regional Award and from these the AFMS selected five for the AFMS award.

The purpose of the Merit Awards is three fold. 1) To reward those clubs doing outstanding service; 2) To encourage clubs and club members to accept the challenge of this kind of service, and 3) To find out what clubs are doing. It was rather disturbing to find that there were fewer entries this year than there were last year. It would appear that clubs are doing less now than they did in previous years. However a little checking proved this was not the case. Many clubs did not turn in a report because, as one president said, "Yes, we did just about the same last year as we did the year before, but we didn't bother to turn in a report because we knew we didn't have enough to win an award." We wonder if some very excellent ideas were not passed on for this reason. It would certainly give a better picture if all clubs turned in a report even with only one or two items marked. Lectures to children in 200 classrooms is much more impressive than lectures in 20 or 30 classrooms. Do not under rate the importance of what your club is doing. Start planning now for next years report!

Comments Concerning the Merit Awards by Gail Alexander, Midwest Federation Education Chairman.

Congratulations to the winners. You have worked hard for these awards and they are visual and vocal rewards for that hard work. It also takes time and effort to put together the application for the next year. Have you started gathering your material to use with your application? Of course it is not necessary to have newspaper clippings, letters of appreciation, snapshots, and etc., but it certainly helps the committee to know exactly what you are doing before they make their decision.

Midwest Federation Merit Awards Winners

Judges: Leo Yanasak, Bill deNeui and Gail Alexander

1. Bloomington Mineral Club, Bloomington, Minnesota
2. Dallas County Rock Club, Adel, Iowa
3. Earth Science Club of Northern Ill., Downers Grove, Ill.
4. Lake County Gem and Mineral Society, Waukegon, Ill.
5. Lawrence County Rock Club, Bedford, Indiana
6. Michiana Rock and Mineral Society, South Bend, Ind.
7. Michigan Gem and Mineral Society, Jackson, Michigan
8. Minnesota Mineral Club, Minneapolis, Minnesota
9. Muskegon County Rock and Mineral Ass'n, Muskegon
10. Ozark Earth Science Club, Mountain Home, Arkansas
11. Show Me Rockhounds, Kansas City, Missouri
12. State Line Gem and Mineral Society, Adrian, Michigan

American Federation Merit Awards Winners

Midwest:

1. Blooming Mineral Club, Bloomington, Minnesota
2. Dallas County Rock Club, Adel, Iowa
3. Lawrence County Rock Club, Bedford, Indiana
4. Muskegon County Rock and Mineral Ass'n, Muskegon
5. State Line Gem and Mineral Society, Adrian, Michigan

Eastern:

1. Mississippi Gem and Mineral Society, Jackson, Miss.
2. Nassau Mineral Club, New York, N.Y.
3. Miami Mineral and Gem Society, Miami, Florida
4. New Haven Mineral Club, New Haven, Conn.

Rocky Mountain:

1. Tulsa Rock and Mineral Society, Tulsa, Oklahoma
2. Tucson Gem and Mineral Society, Tucson, Arizona
3. Stillwater Mineral and Gem Society, Stillwater, Okla.

Texas:

1. Austin Gem and Mineral Society, Austin, Texas
2. "The Stone Steppers" General Dynamics Recreation Ass'n Fort Worth, Texas

California:

1. East Bay Mineral Society, Oakland, California
2. Galileo Gem Guild, San Francisco, California
3. Las Vegas Gem Club, San Jose, California
4. Sierra Pelona Rock Club, Newhall, California

Northwest:

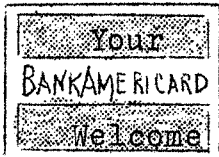
Did not participate.

Midwest Bulletin Contest Winners:

1. Pick and Dop Stick, Chicago Rocks and Minerals (Ill.) Mrs. Alan Palmer, Ed.
2. The Petoskey Stone, Family Lapidary Club (Mich) Betty Van Horn, Ed.
3. Ozark Earth Science News, Ozark Earth Science Club (Ark.), Mrs. Olive Knight, Ed.
4. The Prospector, Muskegon County Rock and Mineral (Mich.), Paul and Nancy Schultze, Eds.
5. The Rockette, Mid-Iowa Rock Club (Iowa), Virginia McMurray, Ed.
6. The Seeker, Charles City Rock and Gem Club (Iowa) Mrs. M. Wikert, Ed.
7. The Pyriter, Dallas County Rock Club (Iowa) Willard Lamb, Ed.
8. Rock Ramblings, Lake Shore Mineral and Lapidary Soc. (Ohio), Joanne Cline, Ed.
9. Serendipity Gems, Evansville Lapidary Society (Ind.) Velma Dugan, Ed.
10. The Conglomerate, Michigan Mineralogical Society (Mich.), Ellis Courter, Ed.

THE ASSOCIATION

of Earth Science Clubs of Greater Kansas City has voted to use money from the proceeds of its 1969 show to purchase one of the fine Encyclopedia Britannica films for the Geology Department of the University of Missouri at Kansas City. Some of the films were shown at a recent club meeting and all were outstanding. The Association of Earth Science Clubs consists of the seven clubs of the Greater Kansas City area... 5 on the Missouri side and 2 on the Kansas side. All seven clubs work together



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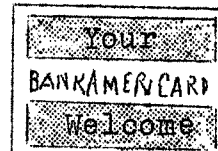
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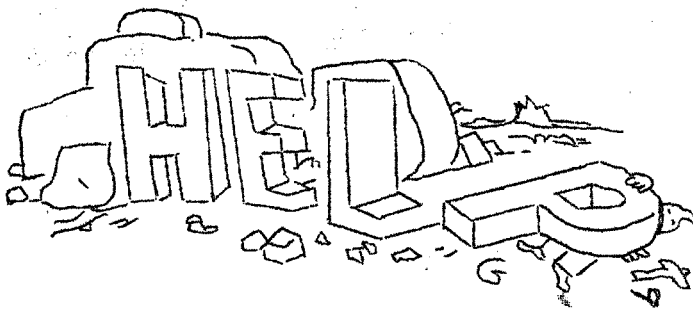
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