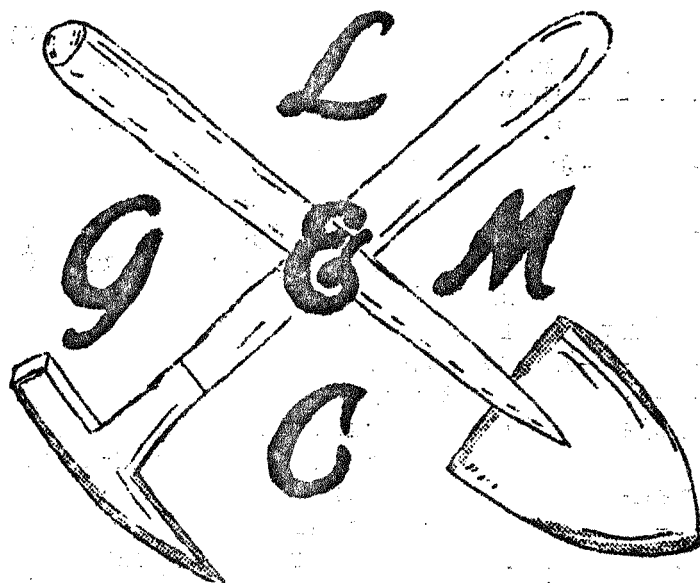


THE PICK & SHOVEL



MONTHLY BULLETIN OF THE

LINCOLN GEM AND MINERAL CLUB, INC.

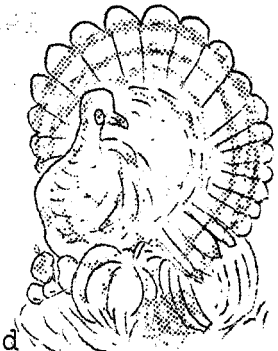
LINCOLN, NEBRASKA

THIS MONTH

DATE...November 29th, Saturday, 7:30 PM

▶ PLACE...I.O.O.F. BLDG., 1101 N. 56th St.

BUSINESS...Election of Officers

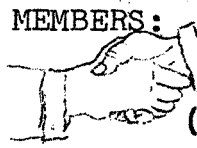


PROGRAM....All slides you may have taken on field trips, or at any of the various national, federation or local shows you may have attended this past year. We'd like to share.



REFRESHMENTS to be furnished this month by Norman & Dorothy Engelhart, Lois & Irl Everett, Floyd Fellows, Frank Marsh, Adeline Nolde, Linda Plock, Joseph & Frances Pokorny. Eleanor Rupert, Chairman

NEW MEMBERS: Kip & Evelyn McEwen, Julie, Pat & Jackie
 2640 West O St., Lot 1
 Lincoln, NB 68528-ph 435-3821
 (Add these to your Who's Who to keep it current)



WELCOME



COMING EVENTS:

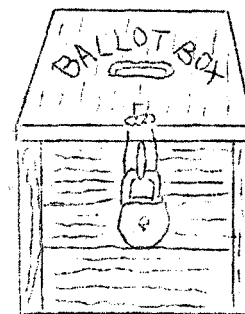
- Dec. LGMC Christmas Party...time and place to be announced.
- Jan. 24-26 Apache Junction Rock & Gem Club Show in conjunction with The Last Dutchman Day Celebration, Apache Junction, Ariz.
- Febr. 5-9 Quartzite Improvement Assn. Pow Wow, Rock and Hobby Show, Quartzsite, AZ
- Febr. 13-15 Tucson Gem & Mineral Soc. Show in conjunction with Rocky Mtn. Fed. convention. Tucson Rodeo Grounds, Tucson, AZ
- Febr. 20-22 Gila Co. Gem & Min. Soc. Show, Guard Armory, Miami, Ariz
- Mar. 6-8 Greater Kansas City Gem & Mineral Clubs Show, Guard Armory, Kansas City, Kans.
- Apr. 3-5 Nebraska Assn. of Earths Science Clubs State Show, Cushing Coliseum, Kearny, NB
- Apr. 4-5 Illowa Gem & Mineral Soc. Show, Moline, Ill.
- Apr. 4-5 Idaho Gem Club Show, Boise, Idaho



REMEMBER...meeting place for November I.O.O.F. Hall, 1101 N. 56th St. Across the street west of the Lutheran School. It is a two-story brick bldg. with ample parking to north or south of building. Entering on south go down 1 flight of stairs and to the left. On the north - enter and go directly into the meeting hall. (Be seeing you!)

1969 NOMINATING COMMITTEE REPORT

The nominating committee, consisting of Tom Simmons, chairman, Roger Pabian, and Norma Miller, have, according to the By-Laws and Constitution of the Lincoln Gem & Mineral Club, prepared the following slate of officer candidates for the year 1970:

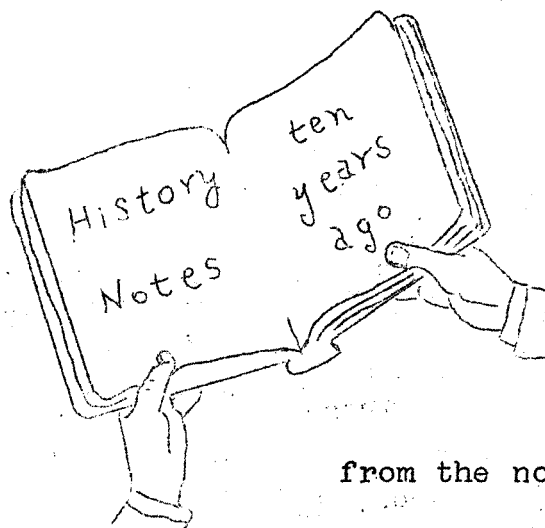


- President - - - Phyllis Parks
- 1st Vice-Pres. - Norman Engelhart
- 2nd Vice-Pres. - C. Ray Waddle
- Treasurer - - - Ralph Ulrich
- Rec. Secy. - - - Evelyn Ulrich
- Board Members: - Roger Pabian
- Jim Parks
- Ewald Paul
- Lawrence Van Cleave
- Lynn Wells
- Lloyd Lederer
- Irl Everett
- Marjorie Heedick

PLEASE NOTE...

Additional nominations for all offices will be accepted from the floor with prior consent of the nominee.

SEE YOU AT THE POLLS NOVEMBER 29, I.O.O.F. HALL, 1101 N. 56th St.



At our November meeting at Morrill Hall, Dr. Robert Gibson gave a very informative talk on minerals used in the preparation of medicine from the early Egyptians to the present date. His explanation of the use of the different minerals was thoroughly enjoyed by the twenty-six members and sixteen guests.

The door prizes, a diamond stick pin (a dime and stick pin) and several mineral specimens, were donated by Tod Ashmun.

from the notebook of our Historian - Frances Tracy

COMMUNITY ARTS COUNCIL - OPPORTUNITIES IN THE ARTS - Ralph Ulrich

Panel Discussion: Educational opportunities for adults offered by the various agencies. For those interested in performing arts, the Lincoln Community Playhouse is offering the "Playhouse Academy", a non-profit function. Courses available include make-up, stage design and lighting, and drama appreciation.

The City Recreation Dept. has classes for adults in sculpture, ceramics and lapidary. The Univ. of Nebr. also has a regular program in which there are several 5 week sessions available to those interested in music, performing arts or visual arts.

Most of these classes are offered because someone requested them or organized a class, then asked that the course be conducted by either the Lincoln Public Schools or the University Extension Division. An organization should not overlook the educational program in their group.

THE FARMER'S THANKSGIVING

(1914)

Not ours to marshal, rank on rank,
 The might a Kaiser wielded;
 Nor ours the harvest of the Frank
 On rifle-pitted fields:
 But we have fought, and we have won
 As never wins the sword;
 And now that our good war is done,
 We humbly thank the Lord.

Prepare the feast and let us sing
 Of how the foe we slew;
 How on a bleak frontier of Spring
 We ran our trenches true;
 How, trudging through the harrow smoke,
 Went forth our army leaders;
 And how the golden volleys broke
 From batteries of seeders.

The King Most High was our ally.
 What drilling and recruiting!
 How thronged the glades and hills with blades!
 What eagerness for shooting!
 And when, midmost the June campaign,
 Old Drought swooped in to plunder,
 How charged the lancers of the rain!
 What cannonade of thunder!

Well may we boast; our wheaten host
 Outnumbered all the Russians;
 Our plumed corn might laugh to scorn
 The Uhlans of the Prussians!
 They seek a ghastly triumph now;
 Our victories are kinder.
 God bless the good old twelve-inch plow
 And automatic binder!

Lo, where like stacked triumphant arms
 The corn shocks dot yon rise!
 Let golden bombs on all the farms
 Now burst in pumpkin pies!
 And let us sing, for we have won
 As never wins the sword;
 And now that our good fight is done,
 Be praises to the Lord!

c From Lyric and Dramatic Poems of John G. Neihardt p 153
 A Bison Book-Univ. of Nebr. Press (printed with permission)

(Note of interest - the above is the result of a request for a Thanksgiving poem in 1914 by Curtiss Publ. Co. at the price of \$1 per line.)

APOLLO 12 is on its way!!! - and our hearts and prayers are with you fellows out there. The prime objective is to gather carefully chosen moon rocks and return them to earth for analysis. They will be photographed from 4 sides before they are picked up, each carefully described and packaged. Rocks were brought to earth by Apollo 11, but this was a bonus to the prime objectives of landing and returning. The samples were gathered at random because of the press of time. The astronauts on this trip will also study man's ability to work on the moon, set up equipment for long-term testing, attempt to pinpoint a landing, and photograph future landing sites.

Japanese scientists say that Apatite and weak remaining magnetism has been discovered in lunar rock and dust samples brought back by Apollo 11 astronauts. It was found that the magnetism is unstable and disappears if left in a strong magnetic field, so it is believed that magnetism was created when meteorites crashed into the moon. To date these facts had been unreported. Something new is being found every day. A seismograph left on the moon last summer has picked up rumbling motions that might stem from some kind of volcanic activity. Some rumbles last from 15 to 20 minutes. (Should we assume that the "man-in-the-moon" is suffering from stomach distress?) (Sorry folks, I couldn't resist that one.)

DR. SAMUEL TREVES, Chairman of the University of Nebraska Dept. of Geology, hopes to complete his study of volcanic rocks on Ross Island this winter. He will spend January and February of next year with a team of scientists on the rim of the 14,000 ft. active volcano, studying its activity and preparing geological maps. He plans to bring rock samples back to the university where mineral and chemical tests can determine the history of their crystallization. Another aim of this expedition will be the finding of additional land vertebrate fossils as further evidence for the theory of continental drift. It is important to find additional material to add to the Labyrinthodont jawbone found in 1967-68. Almost any material would be a significant addition because one jawbone which cannot be identified to genus and species level does not give the paleontological control needed. (In the past Dr. Treves has presented slide lectures on his visits to the island...don't miss it if you have the opportunity in the future - his presentation is terrific!)

Dr. JOHN G. NEIHARDE reminisced about Indians and recited poetry to students at Prescott School recently, and they loved every minute of it. He was addressing himself to the little people and for them he told tales of his Indian friends; of the boy who was a horse for a day, of the way Indians raised and educated their young, of "Curly," the Crow scout, who was his friend. This program will be enjoyed again and again in the days to come, thanks to the foresightedness of the student services director at the school as his visit was videotaped. We who have been fortunate to hear him recite know the pleasure that awaits the students of the future. They are lucky!

FOR THE BOTTLE COLLECTOR...A fine source of information is the Old Bottle Magazine published by Kenneth Asher - known to rockhounds for Kenneth Asher's Gemland - who also operates The Old Bottle Exchange. For info write Mr. Asher, Box 243, Bend, OR 97701.

last month the regular meeting was held Nov. 1 (having been postponed from Oct. 25th), at the Shelter House at Van Dorn Park with 60 members and 8 guests present. Guests were Mary Jane Farro, Kathy Smith, Mrs. Fannie Ellinger, Nrs. Norman Balliet, Mr. & Mrs. Don Larson and son, Willie, and Verna Johnson. The refreshment committee was really 'on the ball' again with goodies befitting the season (doughnuts, apple cider and hot coffee.) The table decorations were in season and 'out of this world'! (You girls really can put on a "spread".)

A letter of appreciation was read from the Nebraska City club for our participation in their show.

Roger Pabian reported on his visit to Table Rock and his contact with various people and clubs in that area. He also stated that Tod Ashmun had addressed a science teachers meeting at Pawnee City, and had talked to the students at the Burchard School.

Frank Rule, floor chairman for '69 show, and Jerry Kohn, advance ticket sales chairman, thanked the members for their efforts in making this show a success.

A request has been received from the Lincoln City Library (see details elsewhere in this bulletin).

A report was made by the chairman of the nominating committee (this report is printed in the following pages).

A motion was made and seconded that the board of directors be increased from 7 to 9 members, referring to Article IX of the Articles of Incorporation. After discussion the motion was tabled until the meeting of Nov. 29.

A motion was made & seconded that a committee, made up of the 3 immediate past-presidents, Howard Taylor, Bruce Simon, and Gene Eno, establish a steering committee, subject to the approval of the membership at large, to prepare for the 1974 show.

A request was made by a Junior Rock Club in Pennsylvania for rock samples and material relative to the geology of Nebraska. Roger Pabian was named chairman of a committee to carry this out. Some of the door-prizes were donated to this cause.

Roger Pabian thanked the club members who helped in his home after a fire damaged much of the interior of the main floor. He reported that his mother was to be released from the hospital shortly.

The program consisted of a slide lecture by Wm. Hendrickson on the Cliff Dwellers of the Mesa Verde. It is a most interesting subject and was well presented. Bill has some very fine slides and we thank him for his efforts. It was a most enjoyable trip on a chilly evening in Nebraska.

ERROR IN THE NEWS... (Pittsburg, Kan. Headlight-Sun): "an added feature of the collectors show will be exhibits of a new and fast-growing hobby - that of collecting specimens of barbed wire, of which there are said to be more than 200 varieties." (Funny, huh?)

FOOD FOR THOUGHT: Are you driving or parking? The road to success is marked with many tempting parking places. via Gem News

N. Las Vegas Gem Soc.

WARM THANKS to my talented and most cooperative co-chairmen - Marie Carveth and Hazel Bagg, who have contributed so much to our monthly refreshment themes. We are grateful to the club members and our good president, Mr. McKinney, for the compliments received on our efforts. We have loved every minute of it.

In appreciation --

Eleanor Rupert,
Refreshment Committee Chairman

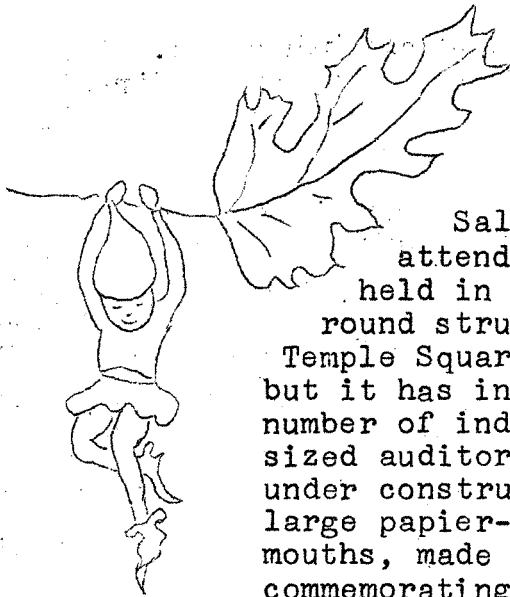
Thanks

room 104 ...Morrill Hall - Some of our members who have spent time among the fossils in the past few weeks are Jan & Gene Eno, Norm & Dottie Engelhart, Vi & Van Van Cleave, Kip & Evelyn McEwen, Jim & Phyllis Parks, Roger Pabian, Marjorie Heedick, and Bob & Nelda Oliver. Bob started his first cast, Van is working on an oriodont skull, and Norm is putting together a jig-saw puzzle elephant skull. Anyone interested in learning how to prepare and preserve these fossils under the direction of a pro is welcome in Rm 104 any Friday evening from 7:00 to 9:00 PM. See you there.

art sculpture class is in its 6th week with some of the students in the mud-pie stage. However, Pappy Waddle is showing great progress in a carving in alabaster, the alabaster having been collected by himself in Wyoming this summer. Everyone is making molds and getting ready to pour the plaster. The head of a lady prepared by Mrs. Waddle is just plain "beautiful". Nelda Oliver, who probably never even played mud-pies, has made the head of a man that almost resembles pre-man, A. BRUTE. Myrtle Young is doing a sitting figure of St. Francis, perched atop a piece of petrified wood. She has made various small figurines also. When finished these will be gifts to members of her family. In addition, she has done a bust of Dr. Neihardt which is excellent. Gene Eno shows talent in numerous animals, figurines, and a very modern plaque. His animal figures are excellent and he has many requests for his owl figures. Dorothy Engelhart has done a plesiosaur, a man's bust, a fruit plaque and a chicken (pie-vent). It sounds like fun...you may be interested to know that a new class in ART SCULPTURE will be starting Jan. 7, 1970.

request ...from Lincoln City Library...displays of our hobby to accompany material in books they wish to exhibit. In the planning process - a case of artifacts collected and prepared by one of our members. Also, a case of lapidary is being prepared by a new member. We hope to assemble more cases in the various areas of the hobby and you may be contacted to assist in this educational contribution on behalf of the club in conjunction with the City Library. "GEMS ON LOCATION" (our club map project of a few years ago) is now at the Parks' home, being brought up to date, also to be displayed at the library. Some of the locations are lacking a stone and further information on this may be available for the December bulletin.

new lapidary class ...Another 10 week course starting Dec. 1, at the City Recreation Center #2, 23rd & O Sts. with John Lewis as a very able instructor. Beginners \$5.50, advance students \$8. If interested phone John at 466-7289, or Dorothy Lougee, 423-2391.



A LITTLE MORE
ABOUT THE SALT LAKE CITY GEMBOREE

Supplementing Mrs. Boring's report on the Salt Lake City Gemboree on June 19-22, I, too, attended the four days of the show which was held in the magnificent new Salt Palace - a huge round structure within a couple of blocks of Mormon Temple Square. The building was not quite completed, but it has in addition to the large exhibition area, a number of individual special lecture rooms, and a good sized auditorium for concerts, which latter was still under construction. The foyer has a fountain and two large papier-mache seagulls with crickets in their mouths, made by E. del Allgood, of Fillmore, Utah, commemorating the devastating crickets invasion of 1848,

when thousands of seagulls flew inland to save the crops. The Salt Palace is a fine addition to the city, and has a vast parking area all around it.

Among the many show exhibits were some amusing but beautiful clear plastic toilet seats with colorful slabs imbedded in them, made by Dick & Clara Beagley, of Spanish Forks, Utah; a roulette wheel made by Foothill Gem & Mineral Society of Montrose, California; beautiful Serpentine carvings of horses, by Loren Montgomery, Redwood City, California; a fascinating Carousel made by Mr. & Mrs. Ken Shurz, Ogden, Utah, of many kinds of gemstones; an exquisitely carved replica of the Taj Mahal, made by Lyndon J. Graham, Fairview, Utah - this was of alabaster, I believe. A large Brazilian amethyst geode was displayed by Murphy's Lapidary of San Antonio, Texas. A huge replica of the original bola tie (made in March 1947 by Victor E. Cedarstaff of Wickenburg, Arizona) was made and displayed by the Lapidary Society of Phoenix, to commemorate the 12th anniversary of the bola!

Mr. George Silver (such an appropriate name!) who demonstrated silver-smithing every day, also had two beautiful cases of silver jewelry with pink limb cast cabochons - these were, of course, perfectly executed. I did not get the name of the man who made the cabs, but believe he is from Texas Springs, Nevada. Mr. Silver very generously gave me a fine piece of the pink limb cast, which I will utilize one of these days.

Each time I attend a big show I think: "This is the most!", but there is no end to what imagination and elbow grease can produce, and one always finds something new at the next show.

Helena Baegl

READING THE NEWS...there will be more volcanic activity from Mt. Rainier, a now docile peak with an explosive history; the only question is "when and what form the activity will take," so says a federal geologist and expert on the mountain, Dr. Dwight R. Crandell!

...a fortress dating back to the 5th century B.C. was discovered by archeologists in Arab Jerusalem. The massive structure is assumed to have been a fortress during the lifetime of the prophet Jeremiah.

WORKING TOGETHER

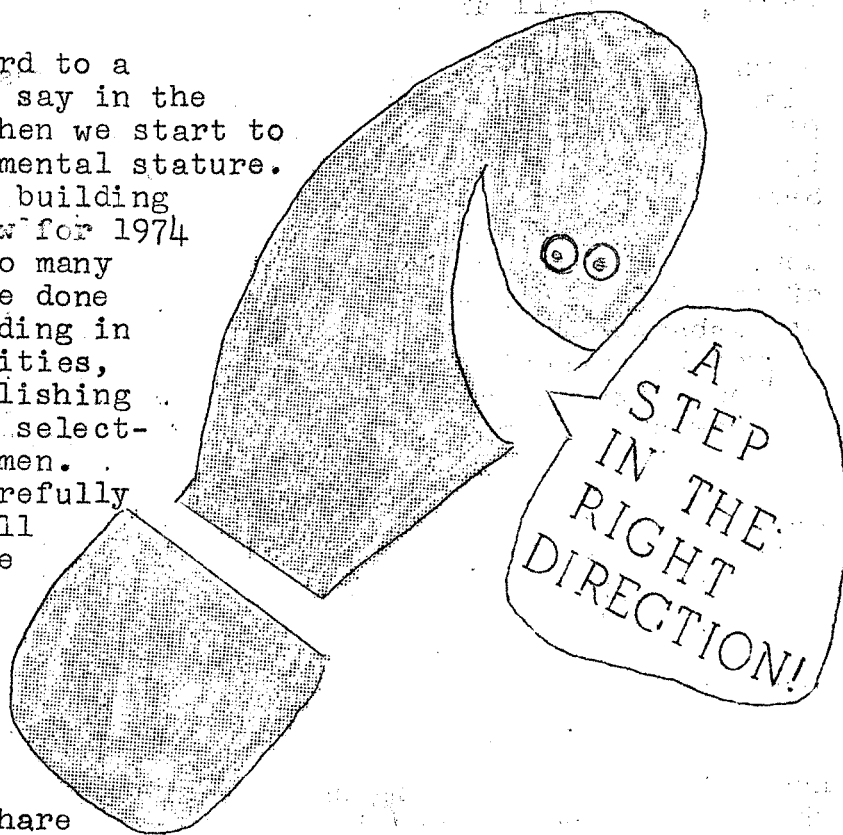
The summer activities and the annual show are behind us. I am looking forward to the winter sessions of the board of directors and the committee meetings when the emphasis will be on planning and developing new ideas.

There are so many of the club members who have ideas for projects, who look into the future, and plan bigger things and greater challenges. I feel that our club has grown right along with the rest of this great civilization and that we have gained both in respect and in recognition, not only within the Federation, but also among the various civic organizations. I am certainly proud to be a member of a club that has so many talented members and I have confidence that together we can do anything that we believe in and feel inspired to do. We may need to increase the number of members on the board of directors in order to give more people a chance to take part in the club business. These board members would certainly wish to carry through on these ideas for projects or at least study each one thoroughly.

I am also looking forward to a "ground breaking" as we say in the construction business when we start to build something of monumental stature. We will certainly start building toward the national show for 1974 very soon. There are so many interesting things to be done such as choosing a building in which to have the activities, setting the date, establishing a financial program and selecting the committee chairmen. Then there will be a carefully planned time table so all these activities will be coordinated.

I can imagine many hours of planning and working together. This will be fun and we will get better acquainted with each other as we share and exchange ideas.

There is an activity that is more fascinating than watching a group of people who are building something and that is Helping to build that something. I want to be one of the group that is doing the building and I am sure many others do too. There will be a part for everyone - simply let your wishes be known.



Ralph L. Ulrich

FOOD FOR THOUGHT: The block of granite which is an obstacle in the pathway of the weak, becomes a stepping stone in the pathway of the strong. --Thos. Carlyle via mjc

DID YOU KNOW....

A catastrophe struck the home of Roger Pabian and his family. A fire, which caused much damage and first degree burns to his Mother, occurred the morning of October 26. Thanks to Roger's quick thinking, his Mother was taken from the burning home seconds before an explosion. His mother spent a week recuperating in the hospital but is home now. Roger appreciated the help given by fellow members of LGMC.

Smoke damage also to the V. A. Carveth home recently, but fortunately no fire. But Oh, the mess and soot!!

Gary Everett took a fast trip to the hospital recently - an emergency appendectomy. Hope you are fine now, Gary.

Dorothy Kohn spent two weeks in California visiting her Mother, a brother and sister-in-law in San Bernardino. How was sunny California, Dorothy? Any smog?

Letha McKinney and daughter, Verna Johnston, spent some time vacationing in the Ozarks, namely in Arkansas and Missouri. They report a wonderful time, and the beauty of the area is known to many of us. It is lovely this time of the year. We understand Mac and Letha both grew up there.



Ruth Weber is home again after a short visit to the hospital. Stay well now, Ruth!

Frank and Ruth Krejci will soon be heading up into the Black Hills for their annual deer hunting trip and a visit with Ken & Martha Springs of Custer, South Dakota.

The Irl Everetts returned from a trip to Hutchinson, Kansas, and Fairview, Oklahoma, reporting an interesting visit with the Paintons there.

Did you like the atmosphere of the last meeting place? The autumn is a nice time for a wood-burning fireplace, cider, and doughnuts. We were happy our housing committee chairman made the arrangements to meet there. Maybe when summer comes around again we can have our covered dish picnics there. Thanks, Phyllis.

Until next time- Marie J. Carveth

P.S. In addition to the news about the Webers, Ruth enjoyed a phone call, via short-wave through Hawaii, from their son, Terry. He is stationed near Danang.

P.P.S. As of this writing Glenna McGinnis is reported released from the hospital tomorrow. Take it easy now, Glenna.

PPS: It's "Happy Day" at the Baugher household on Tuesday of this week! Lloyd will be returning home to stay if all goes well. We're glad to see you getting back in the swing, Lloyd, we're pulling for you.

EPS: CONGRATULATIONS: Sholley Marie Smith has made her appearance as granddaughter of Lois & Irl Everett (daughter Janet). Sholley weighed in on Nov. 5th, at 5 lbs. 6 oz., and is 17½ inches tall.

GEOLOGICAL KNOWLEDGE

By Val of Bellevue, via THE PSEUDOMORPH

A knowledge of Geology is a better understanding of the powers of nature... This opens up the spiritual sight of man, enlarges his intellectual faculty and leads him unerringly to a more profound veneration of the Creator. On the other hand, ignorance, dogmatic narrow mindedness and a childish fear of looking to the bottom of things, invariably leads to fetish-worship and superstition.

The knowledge of Geology is like a double edged sword; when thrust forth it penetrates the minds of others, giving them a powerful weapon to wield. When withdrawn it brings back with it some of this knowledge of other men. The possessor of this weapon of knowledge can anticipate the workings of other mens minds.

No lightning or human ridicule, no thunderbolts ever forged by the "Vulcans of Science" are powerful enough to blast the trunk, or even scar the branches of the world's tree of geological knowledge.

ROCKHOUNDING RECOGNIZED IN U.S. GOVERNMENT REGULATIONS
via Illowa NEWS GRINDER

For the first time in the history of our hobby, the collecting of rock, mineral, and fossil specimens on a "non-commercial basis" is recognized and permitted upon most of the lands under the jurisdiction of the Bureau of Land Management, Dept. of the Interior. Contained in a ten-page section of the 18 January 1969 issue of the Federal Register, we find the following statements:

TITLE: Public Lands, Interior
PARA 6010.2: Rules of Conduct

(a) Permitted activities

- (1) Collecting hobby specimens, flowers, berries, nuts, seeds, cones, leaves and similar renewable resources; and non-renewable resources such as rocks, mineral specimens, common invertebrate fossils, and gem stones may be collected in reasonable quantities for personal use, consumption or hobby collecting. Limitations of this privilege are contained in Para (b) of this section.

(b) Prohibited activities

- (5) To gather or collect renewable or non-renewable resources for the purpose of sale or barter
(7) To use motorized mechanical devices for digging, scraping, or trenching for purposes of collecting.

This recognition of our hobby is most gratifying, but we should not overlook the restrictions listed if we wish to enjoy the privilege of collecting on public lands. All recreationists, including rockhounds, will be faced with increasing supervision of their use of public lands. The amount and kind of supervision is largely dependent upon the individual Land Manager in charge, and upon the actions of the groups who are using the public lands.

Credit and thanks for bringing this information into view was given to St. Louis Gem and Mineral Society bulletin by Illowa staff.

CHIEF 'BEAR-STEP' and the TURQUOISE

Seventy-nine year old Chief Bear Step of the Cherokee Indian Reservation of Oklahoma paid the Lincoln Schools a visit.

Being a rockhound, I was immediately impressed by the spectacular jewelry with which he was adorned. His wide belt had many 30x40 flawlessly cut cabochons of turquoise mounted in silver. Around his neck was an enormous necklace of turquoise in various sizes and shapes. He also wore a ring set with a turquoise the size of a half-dollar.

He displayed a saddle taken from a United States Cavalry officer by members of his tribe in the 1860's. It was considered a great honor by the Indians to be able to dismount an officer and make him walk back to his camp. This saddle was generously decorated with turquoise after its change in ownership.

The children were quick to note the lavish display of the gem, and asked him about his jewelry. He told them that the turquoise was a favorite stone of the Indian. He said that 1000 years ago the Indians were bartering with the tribes in Mexico. They traded turquoise and tobacco for macaw feathers, cocaine, and other products native to Mexico.

I thought it was interesting to learn that one of our gems was being used as a medium of exchange long before our ancestors had arrived in North America.

- Evelyn Ulrich

TO ALL LINCOLN GEM & MINERAL CLUB MEMBERS:

Speaking quite frankly, I'd like to say that I am very happy to be a candidate for office - yet I have grave doubts as to the satisfaction it might afford me. Since I have not worked up the ladder year by year, I would very much like an opposing candidate and - hopefully - be elected as your President.

In the past few years many decisions and plans for the club have been made and carried out by your elected Board of Directors to decrease the time spent in business discussion at our meetings - as per the desires of the membership. I feel that the October meeting was a very stimulating one in that the membership again took the "bull by the horns" so to speak and talked a board decision completely off the floor. This seems to indicate continued interest by the membership and a desire to help plan the affairs of the club.

I'm sure that whomever you elect to direct your 1970 activities would appreciate the individual views on our club and its future. Elect the people YOU are sure will lead you in the fine traditions of the past 14 years.

Sincerely, *Phyllis Parks*

A WEEK'S VACATION? by Darline Sprick

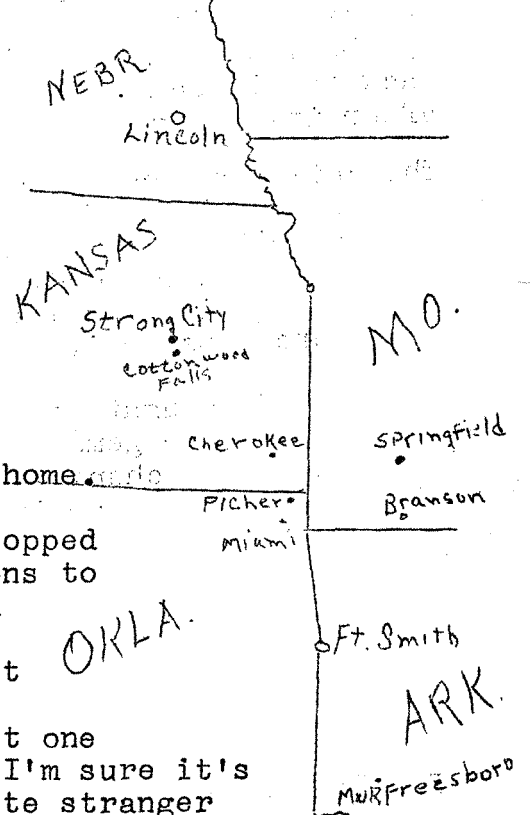
The wandering nomad of Goodyear's Engineering Department left Lincoln on a week's vacation on a Friday evening at 5 o'clock. This was my first trip (other than a one-day shakedown trip) with my new trailer, so it was with some trepidation that I began a trip which was completely without plans, other than the fact I had nine days to bum. As those who met me last year in the midst of nowhere near Crawford, Nebraska, will attest, I enjoy travelling alone. A tape recorder on the seat beside me leaves me with pertinent reminders.

By 7:30 that Friday, I was camped near Randolph, Kansas, at the Tuttle Creek Lake. I had camped there before, so had no qualms about arriving after dark, and the new trailer was a dream to tow.

Saturday morning found me with my first emergency -- water was just about to come over the sill from the bathroom. Dum-dum had forgotten to take the cap off the outside drain. That handled, I was soon on the road South. Luck was with me -- at Manhattan I ran into a stream of football traffic -- that day's game was at home.

Using "Midwest Gem Trails" as a guide, I stopped in Strong City, Kansas, to inquire directions to where I could hunt geodes. After finding a place to park 35 feet of trailer and car in a residential area, I walked down the street inquiring of the geodes of everyone I met. Each person referred me to another, the last one being to a gentlemen in Cottonwood Falls. I'm sure it's not every Saturday afternoon that an absolute stranger shows up at your door saying, "I understand you might know where I can find geodes near here." The couple were lovely to me. I made the long distance call to get permission to go on the property where the geodes were, unhitched the trailer, and the lady from Cottonwood Falls and I headed twenty miles out for our "hunt". In fifteen minutes, we had a dishpan full -- all I could carry -- and returned to Cottonwood Falls, the hitching up, and continuing of my journey. It was already 4 o'clock and I didn't know yet where I would camp for the night. During the drive, of course, we two women had plenty of time to discuss other rock-hunting areas.

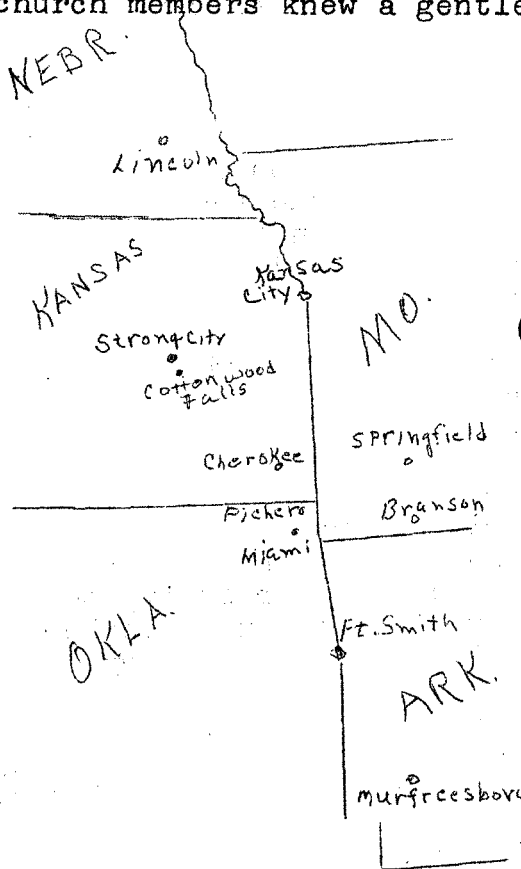
I parked the trailer at Burlington, Kansas, that night. Again using the gem trails book, I headed for Cherokee, Kansas, the next morning. The path I took is so crooked, it appears I was practicing right and left turns. Around 10 o'clock I began to see remnants of old strip mines, which told me I was getting near my hunting area. I was also near Cherokee, which was the last possible town where I would be able to attend morning church services. I parked across the street from the church, fixed a snack, changed into my Sunday clothes and hopped across to church.



(continued next page)

A WEEK'S VACATION?(continued)

There I received a warm welcome from the entire congregation. They, of course, wanted to know what I was doing in Cherokee, and I told them that first, I wouldn't arrive in the next town in time for church, and second, I was looking for a rock-hound guide to lead and zinc and selenite crystals in the surrounding area. One of the church members knew a gentleman in the next town (one I had passed



through) who was very familiar with the hunting areas in that county -- so I back-tracked, trailer and all, with the church member and her daughter as company, so spent a very enjoyable afternoon just trading information with the gentleman and his wife. On the way back to Cherokee, we three spent some time clambering around in an old strip mine. (I'll bet the people in that one filling station thought that woman from Nebraska planned to spend the rest of her life driving by.) The only thing we found was raspberry bushes, and by the time I got out, you would have thought I had spent a month in a barbed wire enclosure trying to escape. As usual, time was running out and I had to be on my way to find a camping spot before dark. Nevertheless, I had found the leads I needed to return to the area for a serious rock-hunting trip. As dusk fell, I was going through Picher, Oklahoma, and as darkness arrived, I was stumbling along a little traveled state highway to the campground at Miami.

I chose this campground because it had a ranger on duty all night. Being the off-season, you can hardly call these places crowded. There were only two trailers (counting mine) in that huge park that night. As usual, the next day's route was planned then, this time the park ranger being my advisor. He was concerned about my towing the trailer through the mountains into Arkansas (he should have seen where I ended up a few days later), and recommended I take the Will Rogers Turnpike south out of Miami.

This road led me to my first trading spot of the trip. I had taken two pails of horn coral with me -- up to now I had been giving it to children I ran into. I left the first trading spot with Apache Tears from Arizona, Desert Roses (Oklahoma's state gem stone) calcite crystals, and lead and zinc crystals. Heading East from Checotah, I was going through Fort Smith, Arkansas, in heavy shift-change traffic, again driving to beat dusk. Through this drive, I was passing mountains of slag glass displayed for sale. This is an area of glass-blowing.

That night found me in a very comfortable trailer park in Waldron, (continued next page)

A WEEK'S VACATION? (continued)

where again I depended on people I talked to to advise me on the next day's route. The nights had been quite chilly, and the furnace had been running constantly. Wouldn't you know, I awoke at 4:30 in the morning, freezing to death. That was just great -- getting out in the cold to change to the other gas bottle, then relighting the furnace.

I got an early start, and was at my only planned destination -- Murfreesboro and the diamond mine -- at noon. I spent some time wandering the fields, and realizing I wasn't enthusiastic enough and didn't have the correct equipment, I went back to the trailer to rest. Late that evening, one more trailer pulled in (now we were two) from Florida. A young woman from that group and I sat talking into the wee hours, but were out bright and early the next morning, with the bug screen from my car to use as a sifter. Did I find diamonds -- nope -- but I met new and interesting people, which is why I like to travel in the first place. During those two days I also had made three trades with my horn coral.

When I left Murfreesboro, my plans were to go through Little Rock. In a chance stop at a rock shop in Hot Springs (was still trading Horn coral), someone suggested I go up Highway 7 to the Coleman crystal mine. So there went Little Rock!! It had been drizzling most of the day, and I was just a little jittery with that new trailer behind me. After a cautious forty miles, I arrived at the crystal mine at 3 o'clock, with the impression I had another hour's drive (in mountains) to a campground. At this mine, you pay \$1.00 a day and get to keep all you find. I was at the actual digging spot only 30 minutes, but feel I came away with some lovely crystal specimens.

The mine is a mile and a half from the highway, and it is only a mine road, but they told me I would have no trouble taking the trailer there. The road is well maintained, but narrow, and at the end you feel you have arrived at the end of the world. All along, the road is tree-lined, but at the end stands one lone oak tree, with the road splitting on either side of it. The grade is quite steep for the last few hundred feet, and I told myself, "Well, stupid, you can't turn around now, but you're sure going to find out what this Chevy can do". Over the crest I went, then stopped with the trailer still hanging down over the edge because I couldn't see over the hood of the car. By looking out the side window, I decided I'd better go either left or right because in another fifty feet, I'd be in the biggest hole I'd ever seen. There was plenty of room for a turn-around though, and for the next 30 minutes I was just as happy as if I had good sense. Like any rock-hound, I was dirty, it was drizzling -- but I was enjoying every minute of it.

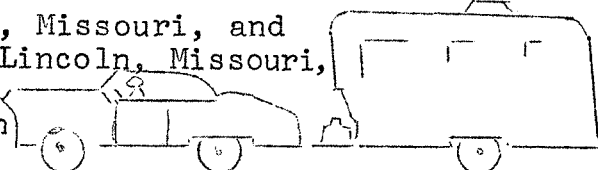
I found a campground about five miles down the road that night, and decided I could and would go back the next day, but during the night I ran out of water inside, but it rained about 4 inches outside. The rain cancelled out my plans for digging the next day, so dawn found me headed over the mountains in a driving rain. Switchbacks, steep grades and rain keep you awake on the road. This was through the Ouachita Mountains.

(continued next page)

A WEEK'S VACATION? (CONTINUED)

If I thought the morning was tough, I'd have folded up if I knew what was in store for me in the afternoon. This was another 60 miles through the Boston Mountains in fog so thick and grades so steep I was almost petrified. I couldn't tell if I was going up or down, but all the time, my little dependable Bluebird was getting me there. Speed limit signs were saying 35 MPH when I couldn't see 35 feet. A souvenir of this stretch of road is a sweat shirt that reads "Booger Hollow". In this area I also went through Puppypatch and Dogpatch -- although Daisy Mae couldn't have caught Lil Abner that day -- she couldn't have seen him for the fog. All along this mountainous route, where signs frequently said, "Caution -- Use Gears next 11 miles -- Steep Grade", my view of Arkansas' gorgeous fall colors consisted of the tree tops poking through the fog on both sides of the road BELOW THE ROAD. Someone remarked I was awfully darned cheerful for hitting that kind of weather -- I asked if they thought it would clear up if I growled a little. One thing about it, when I go back -- and I will -- it has to be better.

One day in Branson, Missouri, and for Mozarkite at Lincoln, Missouri, getting anxious spending Halloween the drive of some Summit, Missouri, and welcoming trick or treaters at the trailer door, I brazenly towed the trailer smack through the center of Kansas City on the freeways on Saturday morning. (The secret is to jot Freeway numbers and lanes on a slip of paper, write BIG, hang it on a knob on the dash, and read fast.) Sunday found me home, sorting assorted rocks, crystals and specimens out of impossible little crannies in the trailer. As this is written, I don't think I've found all of them yet.



I planned to look but by this time I was to get home. After evening parked in friends in Lee's

This probably seems like a flying trip -- 1646 miles in nine days -- but it was all new territory to me, and as a result I have 2-day, 4-day and 7-day trips in my mind to take later on. I "cased the joint", so to speak, and the next time I will have a definite objective in mind, with sufficient time to spend in one spot.

(interesting article, Darline. Keep your recorder handy & write again.

WALKING ROCKS...In a dry lake bed, called "The Racetrack" in Death Valley, rocks move along the level bed, leaving tracks & trails. Scientist studying this amazing feat since 1950 have come up with at least one theory that makes sense: the rocks roll down the sloping sides of the lake; during wintertime moisture collects on the undersides of the rocks and freezes. Then, when the mud of the bottom of the lake is of exactly the right consistency, wind blows the rocks along. Winds here sometimes reach a velocity of 100 miles an hour because of the shape of the valley!

'S QUID PRO QUO?

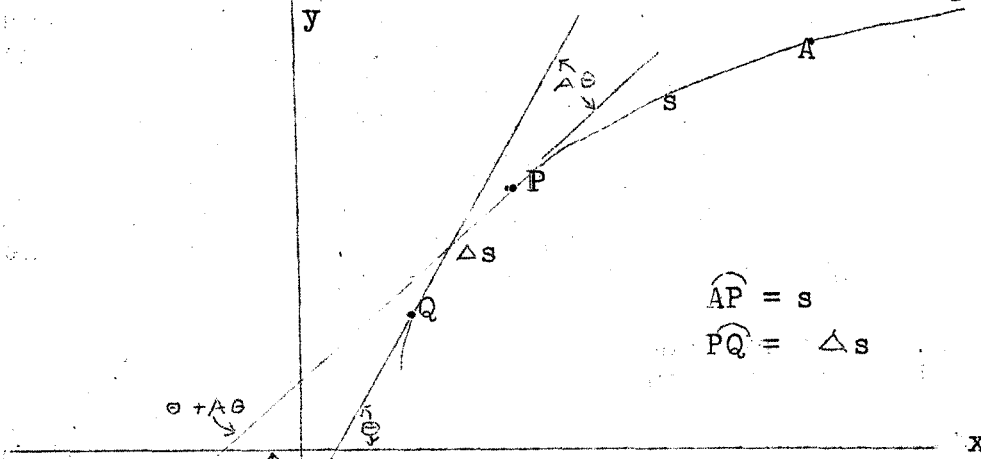
Belemnite battlegrounds abound, attesting to some frightful fights; Surviving from antebellum days are only anti-belemnites.

- Ralph H. King

FREE FORM OR ACCIDENT
 Part 3
 CURVATURE AND CONIC SECTIONS

by ROGER PABIAN

As it was mentioned in the last installment, rotation of a plane figure about a coordinate axis may produce some other solid figure than the one desired. Therefore, it is necessary to introduce a mathematical property called curvature. "Curvature" may be defined simply as "the absolute value of the rate of change of direction."



$$\widehat{AP} = s$$

$$\widehat{PQ} = \Delta s$$

The symbol Δ , (delta) means change in...
 Thus, $\Delta\theta$ means change in θ .

Figure 12

The curvature K of a curve $y = F(x)$ at any point P is the absolute value of the rate of change in direction (that is, in the angle of inclination, θ , of the tangent at P) per unit of arc length. (Fig. 12)

$$K = \lim_{\Delta s \rightarrow 0} \left| \frac{\Delta\theta}{\Delta s} \right| = \frac{\left| \frac{d^2x}{dx^2} \right|}{\left(1 + \left(\frac{dy}{dx} \right)^2 \right)^{3/2}}$$

Equation 3.

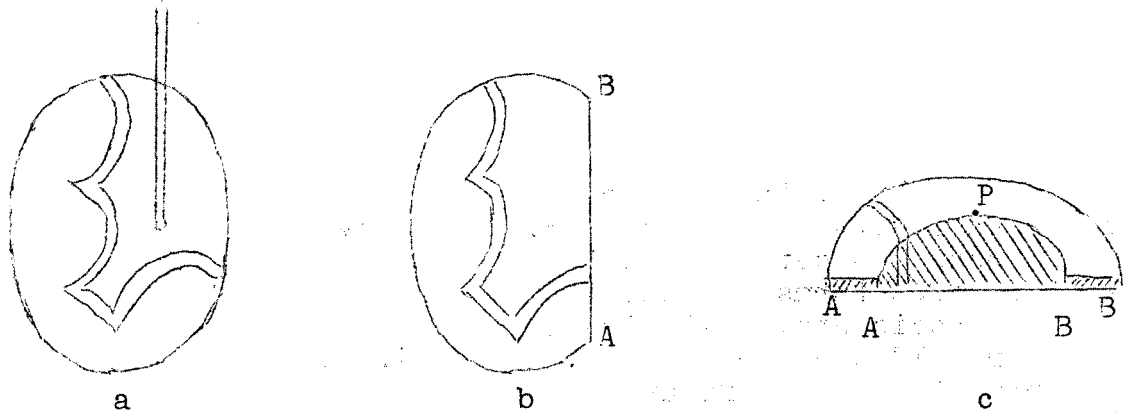
or $K = \frac{\left| \frac{d^2x}{dy^2} \right|}{\left(1 + \left(\frac{dx}{dy} \right)^2 \right)^{3/2}}$

radians per unit of arc length. More simply, no three sequential points will lie along the same line.

In other words, if we cut a standard, oval cabochon (figs. 13 a - c) to expose a cross section \widehat{AB} , we can make the following generalization. The curvature K of any point P along the arc formed by \widehat{AB} will satisfy equation 3. The above generalization is true regardless of what direction we cut the cross section through the cabochon. (See next page for fig. 13 a - c). (continued)

FREE FORM OR ACCIDENT - Part 3 (continued)

Figure 13



The implications of the above argument are important to properly cutting a cabochon. Assume that we have cut a cross section through a cabochon (cut by a five point method) as shown in figure 14. At no point P between \overline{AB} and $\overline{A'B'}$ is equation 3 satisfied. Change in direction, or the absolute value of the rate of change of direction, K, occurs only along the Arc $\overline{BB'}$. A properly cut cabochon will not have a girdle.

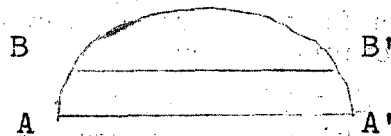


Figure 14

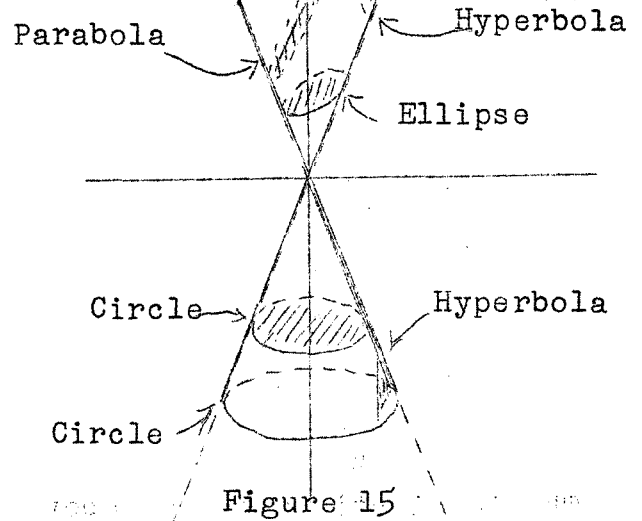
Any rule that applies to standard form cabochons applies to free form cabochons.

Many readers may feel that I am placing undue emphasis on standard form cabochons. The following discussion will show that free form stones result from properly manipulating curves that are standard forms. A very important rule that governs free forms is the following: Free form stones can be derived only from standard forms; namely, lines, sine and cosine functions, and the conic sections.

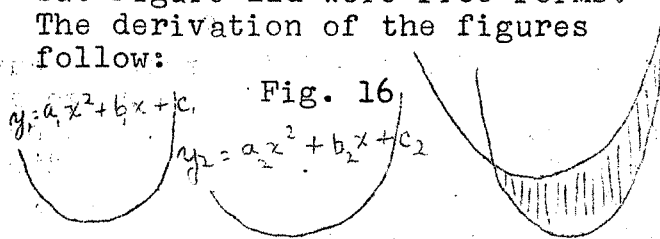
The conic sections (figure 10) are obtained by passing planes through a cone in several directions. A cone occurs when one rotates a line, $y = mx$, about the origin in an x-y coordinate system (figure 15). The astute reader will have observed that a cone consists of two parts. The ice cream cone is truly only "half a cone".

A circle is obtained by passing a plane through the cone parallel to \underline{x} and perpendicular to \underline{y} through any point on \underline{y} where \underline{y} does not equal 0. A hyperbola is obtained by passing a plane through the cone parallel to \underline{y} and perpendicular to \underline{x} at any point on \underline{x} where \underline{x} does not equal 0. An ellipse occurs when one passes a plane through the cone such that it intersects both \underline{x} and \underline{y} but is not parallel to the line formed by the side of the cone. A parabola occurs when one passes a plane through the cone such that it intersects both \underline{x} and \underline{y} but is parallel to the line formed by the side of the cone.

FREE FORM OR ACCIDENT - Part 3 (continued)



In the last issue, the readers were given several unknowns (Fig. 11) and asked to determine which ones were free forms and which ones were accidents. All figures but Figure 11d were free forms. The derivation of the figures follow:



The "kinked" crescent (Fig. 11a) is obtained by laying one parabola over another (Fig. 16). The only requirement is that the parabola in the upper part of the figure must open faster than the parabola in the lower part of the figure. The equation of the parabola is expressed by

$$\text{Equation 14. } y = ax^2 + bx + c.$$

The two parabolas forming the kinked crescent will be expressible by

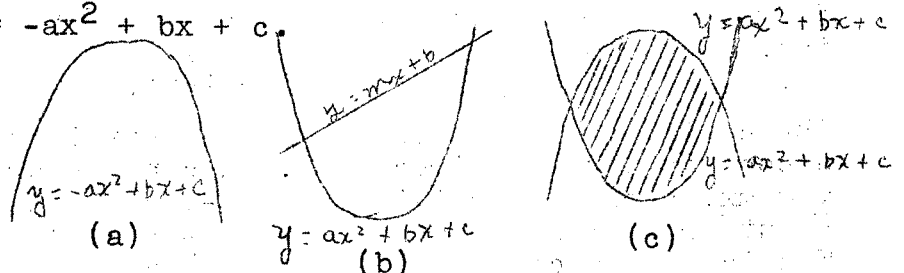
$$y_1 = a_1x^2 + b_1x + c_1 \quad \text{and} \quad y_2 = a_2x^2 + b_2x + c.$$

Therefore, to obtain the desired figure a_2 must be larger than a_1 .

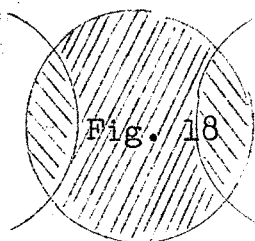
The figure shown by Figure 11b is obtained by laying one parabola over another where the value of a in the quadratic equation is less than zero. That is,

$$y = -ax^2 + bx + c.$$

Figure 17



The "hourglass-like" figure (fig. 11e) is given by laying two circles over a center circle. See figure 18. Figure 11e was obtained by passing a line through a parabola (Fig. 17b). The Squeezed ball (fig. 11f) was obtained by allowing one circle to intersect another circle of the same diameter (fig. 18.)



Now that the full set of ground rules for cutting free forms has been determined, the next and only remaining problem is how do we obtain the templates for cutting these forms. Starting with your standard form templates try to develop some free forms from the standard forms. There are many other sources - these will be the subject of the next installment.

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. 99 - November 1969

"THANK YOU"
from June Zeitner

It has been a privilege to work with the fine people who are doing such good work for the Federation and its members. It has been wonderful to see the accomplishments of the clubs, to read their bulletins, to see their shows, and to visit with the members who make these clubs real and vital. Naturally there is much I wished to do for the Federation, which could not be accomplished in one short year, but the clubs and the Executive Committee's great efforts have made us ready for the seventies.

When I accepted the Jade gavel I said our greatest need is to learn to understand each other through better communication. This is still our big problem. So this year instead of griping or criticizing workers in the hobby, the opposing sides on any issue should get all the facts. Instead of postponing answering communications, we should be prompt. Instead of being jealous of leaders, we should help them. The Federation is a family and we must get to know all its members.

In retrospect the many hours of work I have devoted to the Midwest Federation this year are more than offset by the wonderful friends I have made, and by the opportunity to be a part of the history of the finest hobby organization the world has known. Thank you all.

June Culp Zeitner

A Message From Our New President
Russell MacFall

'Conservation' 1970 Theme

Dear Fellow Members:

A custom has grown up in the Midwest Federation of establishing a slogan or theme for each new president's term of office. There is merit in this because it focuses attention on the fundamentals of our association as a federation and on some of the ideals that motivate our programs. In conformity with this custom, therefore, I wish to proclaim "Conservation" as our theme for 1970.

Conservation means many things. It is basically an attitude toward preserving the good things of this world, and our federation is one of them. As a federation we have much worth conserving. We have the well organized and efficient structure through which it serves its member clubs; the strength and prestige which it enjoys as the public representative of the hobby itself, and, most precious of all, the comradeship in working together which makes working for the federation worthwhile. This spirit of fellowship animated the federation in its early years when it was small and its work was highly personal. To a remarkable degree, it has been preserved despite the great growth of the federation itself.

I feel fortunate in having had Mrs. June Zeitner as my predecessor. Under her leadership, the federation has enlarged its services and has taken major strides in modernizing its structure. Her contributions are worthy of being preserved and augmented in the year ahead so that the federation can continue to undergird and strengthen the work of the clubs. The federation exists to give its clubs unity in public affairs, to help them to become better informed about the hobby which unites us, and to educate the gen-

-please turn to page 2

COMING TO ALL CLUBS SOON
THE SPECIAL DISPLAYS DIRECTORY

EARTH SCIENCE MAGAZINE

In the November-December issue you will read "To Yucatan - With Love", the story of the Iowa clubs' gift to Iowa's sister state in Mexico. Bruce Whitney concludes his "Trilobites of the Grafton Area", and Dr. Eugene Richardson tells how the long-sought conodont animal burst upon the paleontological scene.

THE SPECIAL DISPLAY LIST

The Special Display List of the Midwest Federation, soon to be mailed to all clubs, was assembled by Mrs. Miriam Pierce, Mrs. Hazel Tarcza, and Mrs. Bertha Boehm. Clubs will find that not only will these varied displays liven up their shows, but often the display owner has a demonstration of program to accompany the display, which would be good to use at a club meeting. We have wonderful collections and exceptional talents in the Midwest, and this is our first attempt to list them in an organized way which might be of benefit to club officers and show chairmen. Please see that your show chairman sees this list and knows where it is when he needs it. If you know of any other displays which have not been listed, please see that the committee gets their names this year. If you wish to get any of these displays communicate directly with the owners. My thanks to Miriam and her co-workers for a job well done. - June Culp Zeitner

conservation 1970 theme ... continued from page 1

eral public by such common efforts as conventions and mineral shows. It is the strong voice of nearly 220 clubs and 15,000 individuals.

The federation's obligation to conserve what is good in itself is its paramount duty. That does not mean that it will not also serve the cause of making this a cleaner and more wholesome and beautiful world through encouraging the wise use of natural resources. Our anti-litter drives and our educational activities are two means by which we join our strength with like-minded organizations to protect natural wealth and natural beauty. Thus our task of conservation in the new year is two-fold. Let us keep conservation always in mind as we enter a new decade which must win the battle for conservation or lose it forever. -Russell P. MacFall

CORRECTION

In the October Newsletter two incorrect dates were given for future Federation shows. The next Field Trip Convention will be in 1972 in Michigan. The 1973 show is up for bids. If your club would like to host the Midwest Convention in 1973 please write to Leo Yanasak, 3421 S.W. 14th Street, Des Moines, Iowa.

PLAN AHEAD

Program chairmen are urged to look over the listings of programs available from the MWF Library and send in their booking request as early as possible always giving more than one choice of date for each program requested. Programs in the library are in heavy demand and early booking with choice of dates enables our Program Chairman to get a program to you for your meeting. Send all your program requests to Mary Anderson, Route 3 - Box 241 E, Kokomo, Indiana. Be sure to include the name of your club, the name to which the program is to be sent, your complete address and don't forget your zip code.

**A WORD FROM
OUR RETIRING PRESIDENT JUNE ZEITNER**

Being president of a Federation of over 200 widely scattered clubs is work. It seems too bad that such a job is so time consuming, so full of detailed paper work, especially since this is for most of the members, a hobby. There are several reasons why this job will never be easy. The officers try to economize on expenditures because the money belongs to the Federation and should be spent on the Federation. Each club has different problems, and each committee has different problems, and the president is obliged to try to handle each problem as if it were the only problem.

Each club has a certain amount of work, and often a number of members are not interested in the work, but accuse those who do the work, of doing everything wrong. Also on the Federation level certain people are always ready to do a job, and others are ready to criticize.

I have tried to involve more people and more clubs in Federation work by doubling the size of the Executive Committee. Since there is so much to be done to keep all of our clubs moving forward together, we need more people willing to devote their time and talent to the good of the many members of the Federation. I have created new committees to serve the clubs in new ways. I consider the new Public Relations and Safety Committees, and the office of Supplies and Information, especially important to all clubs. Another way I tried to help the clubs is by having the Newsletter doubled in size.

A new committee, Special Displays has come up with a wonderful help for shows. The Anti-litter committee keeps us reminded of our duties to society. A Courtesy and Protocol committee is helping us establish gracious customs and meaningful traditions. The rules committee now has an expert in each of our hobby fields. Our Nomenclature committee is responsible for the excellent new AFMS Gem List. The Directory is one of the finest we have ever had. In short the Federation has accomplished much this year.

SOME "DO'S" FOR THE PROGRAM CHAIRMAN

-From Mary Anderson, Program Chairman

DO treat your speaker as you would wish to be treated if coming to a new group of members to speak. Send someone to meet and greet the speaker and introduce him to other members.

A short, but impressive introduction always paves the way for the speaker... sometimes just a bit of humor will break the ice.

Always send a nice "Thank You" letter from the club for the privilege of having this person visit your club.

DO step forward and tell the speaker how much you enjoyed the talk or demonstration. Encourage other members to do the same.

If the speaker has to stay over night, be sure reservations have been made in advance.

DO have someone of your members, if not yourself, help bring in the slide projector, specimens, or other props needed.

Should your meeting be cancelled for any reason be sure you remember to contact your speaker.

**REMEMBER THE SCHOLARSHIP FUND
SAVE BETTY CROCKER COUPONS !**

DIRECTORY AND MEMBERSHIP FORM

Within the month a form for reporting membership and for providing a list of officers for the annual Directory will be going out to the clubs. The one form will enable the clubs to give membership statistics for paying annual dues to the Federation treasurer, who will receive a copy of it. It will also provide the information for listing your club in the annual Directory. The Directory Chairman will get her copy of each report. In this way each club will have to send in only one form instead of two, as in the past. The deadline for the return of the form is January 10. Return of the form before that date will ease the work of two busy Federation officers.

YOUR NEW FEDERATION OFFICERS

President - Russell MacFall, 721 Foster Street, Evanston, Illinois 60201

Vice President - Jay Wollin, 8917 N. Austin, Morton Grove, Illinois 60053

Secretary - Miss Jean Reynolds, 107 Tuttle Avenue, Clarendon Hills, Illinois 60514

Treasurer - B. G. Dahlburg, 5744 Standish Avenue, Minneapolis, Minnesota 55417

Historian - Mrs. Elsie Popejoy, 410 Grand Street, Normal, Illinois 61761

ON A WHIRLWIND TOUR

Last spring when the new slide program "South Dakota Field Trips" was ready for schedule it really went on a whirlwind tour. For two months it never saw the MWF Library, but traveled from club to club for the showings. So many clubs wanted it that your Library Program Chairman suggested that sister clubs get together for a showing where feasible, and we know of several places where this happened. This is real togetherness.

WE HAVE REQUESTS

from our member clubs for a program on cleaning fossils and minerals. Perhaps some club could undertake this project and make a program on this subject.

CLUB DOINGS

THE BLUE RIDGE GEM and Mineral Society of Raytown, Missouri gets out a special bulletin telling all about their club, its membership, activities, bulletin, equipment, projects and goals, and including their by-laws.

JUNE ZEITNER presented ESCONI and the Dallas County Rock Club with their awards on her recent trip visiting Midwest Clubs. ESCONI has a wonderful new custom of presenting certificates of appreciation to members of the organization who have performed outstanding services throughout the years.

MOST BULLETINS commented on the Apollo 11 Field Trip. The Crystal Cluster of Des Plains notes that this expensive rock hunt was of great interest to rockhounds. The Astronauts have been honored by a stamp, and geologist John Welsley Powell has been honored by a stamp. At least the Post Office Department is becoming mineral conscious, so the Federations may eventually get a mineral stamp.

ART RUSK in the Ozark Earth Science News calls our attention to the fact that many young people do not know what coal looks like, so he is making a collection of hard won samples for the generation to which the word scuttle is synonymous with scam.

JIM MAPLE, Wabash Valley Views, warns us about the growing number of fabulous fake specimens for trade and for sale. He says there are five types of such fakes. 1) repaired specimens, 2) treated specimens, (acid, heat, paraffin, oil, etc.), 3) substitutions, 4) artificial or imitation, 5) constructions.

STATE LINE GEM AND MINERAL SOCIETY of Blissfield, Michigan heard Dr. Edward Conner speak and show his slide program titled "Star Stones" at their October meeting.

SAVE BETTY CROCKER COUPONS
FOR SCHOLARSHIP FUND !

MOZARKITE... FROM ROCKHOUND FAVORITE TO OFFICIAL STATE ROCK

-from Farmland, published by
Farmland Industries, Inc.

A rock to a farmer may be an obstacle or a nuisance in the path of a plow, depending on its size. To a rockhound, it is an object to be examined and perhaps added to his collection.

A collector will tell you that the first man on the moon was a rockhound because his first duty was to collect specimens.

Last fall, the 74th General Assembly of the state of Missouri named Mozarkite as the official state rock, and Galena the official state mineral. Missouri became the ninth state with an official rock, mineral or gem stone.

Mozarkite had been a favorite with midwestern rockhounds long before it received official status. It is colorful, beautifully patterned and technically referred to as a crypto-crystalline variety of quartz with a blend of agate, jasper and other materials. It has a hardness of 7 on the Mohs scale and is suitable for cutting and polishing into semi-precious gemstones.

Mozarkite is found in abundance in the Missouri Ozarks for which it was named. It is plentiful in Benton County and surrounding areas and as far north as Marshall. The town of Lincoln bills itself as the "home of Mozarkite." Rockhounds center their hunts for the rock around Lincoln and fan out into adjoining areas.

There's a legend that Mozarkite doesn't exist anywhere except in Missouri. Fables tell us that Mozarkite helped establish the southern Missouri boundary. When the ground ran out of Mozarkite, the surveyors knew that was the place to draw the state line. This "stay at home" quality has also made Mozarkite valuable to Missouri collectors as a trading rock.

It is in the cutting and the polishing that the full beauty of Mozarkite is revealed. Colors include brilliant reds, delicate tinges of purple and yellow, sky blues, white and pink ribbons and ripples and outlines that can be recognized as faces, animals, streams, landscapes, trees and mountains. A piece of Mozarkite bearing the likeness of a mule is on display in the President Harry Truman library in Independence.

If You Move...

will you help us keep our mailing list up-to-date and correct by sending us your new address immediately. When you write please give your old address, the name of the club to which you belong and the office you hold in your club so that proper correction can be made. Please send this information to both the Secretary.... Miss Jean Reynolds, 107 Tuttle Avenue, Clarendon Hills, Illinois 60514 and your Newsletter Editor, Haydon Peterson, P.O. Box 1130, Des Moines, Iowa 50311.

DRIVE A CAMPER OR TOW A TRAILER?

The United States Safety Council request that any drivers of campers, vans, cars towing trailers, or other recreational vehicles, who have had unusual tire or wheel troubles recently, write a record of the event for study. Split rims on wheels is the special interest of this particular investigation. It is thought faulty manufacture may be responsible for the high incidence of such troubles recently. Will any Midwest members who have had such an experience send the details to June Zeitner. Needed are facts such as when did the accident occur. What was the approximate mileage on that wheel and tire at the time? Was the weight heavier than recommended? Where did the accident occur? Did the breakdown of your vehicle cause another vehicle to be involved, or create a safety hazard? Did you have to get new wheels and larger tires? All information will be forwarded to Washington, D.C.

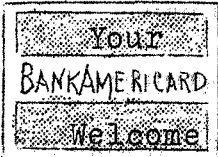
KNOW YOUR COMMITTEE CHAIRMAN

Rockrama Chairman - Mel Sharp

Mel Sharp, Cleveland, Ohio, is our Rockrama Chairman. Mel is making a survey to find out what the real advantages are of Rockramas over regular club shows. When clubs ask "why should we hold a Rockrama" he will have the exact figures, to show why some of our most successful shows have been Rockramas. He calls attention to the fact that if you hold a Rockrama you are not only doing something for your Federation but your club will be the big beneficiary in the long run. Please get in touch with Mel at once if you would like your show to be a Rockrama.

Mel is an employee of the Bell Telephone Company. He trains personnel in the operation of electronic equipment. He is a Boy Scout leader. He has been a rockhound for 20 years and has served as president of the Fairview Park Lapidary Society and the Parma Lapidary Club, and was show chairman of the successful Rockrama last year. He teaches gem cutting for this city's Recreation Department, and admits to being particularly partial to finding pictures in stone.

H.E.L.P. HELP ELIMINATE LITTER PLEASE !



CLAUS



LAPIDARY-CERAMICS

ODDLES
&
ODDLES
OF
NEW
MOUNTINGS

2639 WEST O STREET
PHONE 435-2300

HOME AGAIN & OPEN - NOON UNTIL 10:00 PM

Had a wonderful vacation and lots of fun selecting new materials for your inspection, gifts, or additions to your collection. The cutting materials just arrived!

Everett Lapidary Shop

capitol city's first rock shop

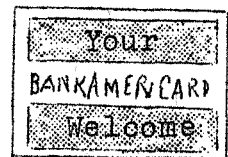
2941 North 65th Lincoln, Nebraska 68507

PHONE 466-6204

NOW IS THE TIME TO ORDER THAT CHRISTMAS PRESENT - We can help with all your needs. Buy with BankAmericard at our shop.

"Satisfied Customers Are My Best Advertisement"

SIMMONS



THE JEWEL GALLERY

145 N. 13th ST. - VARSITY THEATER BLDG.

PHONE 432-3951

WE'VE MOVED

VISIT OUR ALL NEW SHOP

COLN. NEBR. (25)

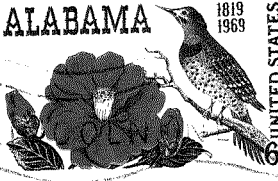


3R. (25)

Lincoln Gem & Mineral Club
 Norma Miller, Editor
 Box 29356
 Lincoln, NB 68529

ALABAMA

1819
1969



UNITED STATES

COLN. NEBR. (25)

25

LINCOLN

To: Mr & Mrs Maurice Tracy

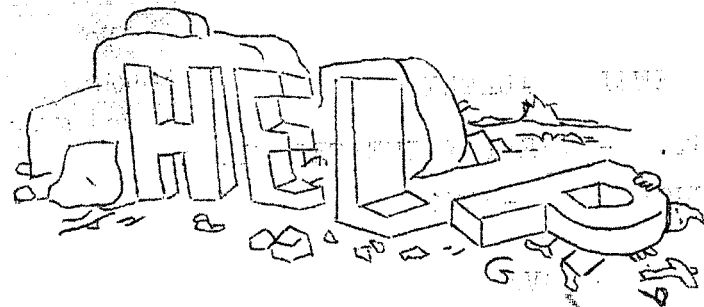
Mr & Mrs Maurice Tracy
 3601 South St.
 Lincoln, NB 68506

SAVE GENERAL MILLS COUPONS - AFMS SCHOLARSHIP FUND
 (each coupon worth one-half cent)

SAVE COMMEMORATIVE STAMPS - AID REFUGEE CHILDREN

USE CLUB AND FEDERATION EMBLEMS - STICKERS - PATCHES

"UNDERSTANDING, THROUGH EDUCATION, IS THE BUILDER OF TOMORROW"
 - MRS. JUNE CULP ZEITNER MWF PRESIDENT



HELP
 ELIMINATE
 LITTER
 PLEASE