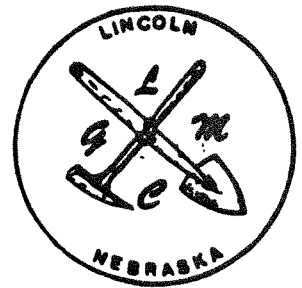


# THE PICK & SHOVEL



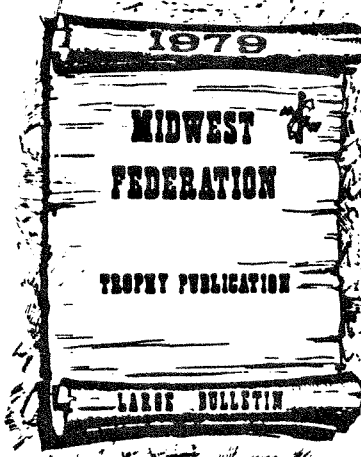
APRIL  
1982

*highlights*

*in  
this issue...*

MATEO TEPEE - The Devil's  
Tower  
QUARTZSITE: 'The rose bush  
of the desert'

FOR SAFETY SAKE  
SAGENITE



OFFICIAL PUBLICATION OF

Lincoln Gem and Mineral Club, Inc.

P. O. Box 5342

Lincoln, Nebraska 68505

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

The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various earth sciences including but not necessarily limited to geology, paleontology, and mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, particularly youth and student groups.

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

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

1982 ELECTED OFFICERS:

President.....Roger Pabian	315 'D' St.	Lincoln, 68502	474-2034
1st Vice Pres...Howard Taylor, Jr.	910 New Hampshire	Lincoln, 68508	476-3707
2nd Vice Pres...Glenn Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Secretary.....Nelda Oliver	5700 Otoe	Lincoln, 68506	489-5222
Treasurer.....Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....John Abel	2829 Van Dorn	Lincoln, 68502	423-7654
Board Member....Florence Boring	2836 S. 40th St.	Lincoln, 68506	488-6243
Board Member....Irl Everett	2945 N. 65th St.	Lincoln, 68507	466-6204
Board Member....Virginia Green	6120 The Knolls	Lincoln, 68512	423-5032

Nominating Committee--3 years: Vera Lyman, Frank Rule  
2 years: Marie Taylor, Jim Parks  
1 year: Bob Walker, Irl Everett

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Nelda Oliver, John Harrison  
2 years - Jim Parks, Phyllis Parks  
3 years - Howard Taylor, Marie Taylor

STANDING COMMITTEE CHAIRPEOPLE:

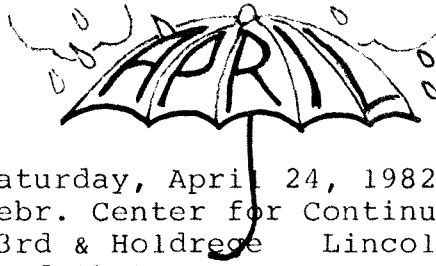
Programs.....Howard Taylor	1983 Show.....John Abel
Education.....Ray Lambert	1982 Show.....Vera Lyman
Hospitality.....Bob & Mary Walker	Liaison/Calling.....Marie Taylor
Historian.....John & Lillie Lewis	Refreshments/Party...Marj Heedick
Librarian.....Jim Parks	Scholarships.....Howard Taylor
Membership.....Mary Lambert	Outside Displays....Frank Rule
Field Trips/Safety..John Abel	Housing/Property....Bruce Simon
Sunshine Corner....Susan Taylor	Publications.....G & F Litzenberg
NAOESCI Reporter...Vera Lyman	Junior Activities...Mary Walker
	Auditing Comm. 1981..John Abel, Chairman Ray Lambert & Bruce Simon

PICK & SHOVEL STAFF:

Chairman: Glen Litzenberg

Editor.....Vera Lyman, 420 N. 56th St. Lincoln, NE 68504  
Circulation...Glen & Flossie Litzenberg  
Club News....Helena Baegl  
Sunshine.....Susan Taylor

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



**GENERAL MEETING:** Saturday, April 24, 1982    7:30 P.M.  
 Nebr. Center for Continuing Education  
 33rd & Holdrege    Lincoln, NE  
 Norfolk Room

Parking available north of building

**BOARD MEETING:** Wednesday, May 5, 1982    7:30 P.M.  
 1815 'Y' Street  
 Nebco Building

\* \* \* \* \*

**SHOWS:**                    May 7-9    (STATE SHOW)  
 Hastings, NE  
 Central Nebraska Rock & Mineral Society

September 4-6  
 Omaha, NE  
 Nebraska Mineral & Gem Club

October 16-17  
 Grand Island, NE  
 Grand Island Earth Science Society, Inc.

**SWAPS:**                    May 1-2            Rock Swap  
 Lexington, NE

June 5-6            Rock Swap  
 Hebron, NE

June 19-20        Rock Swap  
 Beatrice, NE

REMEMBER THE THING TO DO IN '82 IS THE MWF GEM AND  
 MINERAL SHOW JUNE 24-27, 1982,  
 ST. PAUL, MINNESOTA

# Your 1982 Regional Show Schedule

Here are the dates and locations of the six regional Shows in 1982. Note the National Show and Convention will be held in Houston, Texas in conjunction with the South Central Federation July 8-11, 1982.

<p><b>CALIFORNIA</b>                  Long Beach, California                  Aug. 28-30</p>	<p><b>EASTERN</b>                  Pittsburgh, Pennsylvania                  June 18-20</p>	<p><b>MIDWEST</b>                  St. Paul, Minnesota                  June 24-27</p>	<p><b>NORTHWEST</b>                  Pocatello, Idaho                  Aug. 20-22</p>	<p><b>ROCKY MOUNTAIN</b>                  Denver, Colorado                  Sept. 17-19</p>	<p><b>SOUTH CENTRAL</b>                  AFMS SHOW                  Houston, Texas                  July 8-11</p>
--	---	--	---	---	---

MY HEART MAKES ITS OWN WEATHER

My heart makes its own weather  
So let the world grow gray,  
My heart starts saying April  
When April's far away.

In spite of rain and reason  
And winter on the wing,  
My heart has its own season  
And my heart says it is spring!

Blow, wind and bitter weather  
Come, care and whistling cold,  
An April heart will never  
Grow gray or crabbed or old.

Time is a wrinkled treason;  
Age is an old untruth.  
Heart, keep your changeless season,  
Green April, golden youth!

by James Dillet Freeman

\* \* \* \* \*

Joy sings in beauty that surrounds us . . .

Joy smiles through loved ones all  
around us . . .

Joy speaks in gentle words that  
guide us . . .

Joy smiles in feelings deep  
inside us.

- Barbara Burrow



Hope everyone is well rested after the show.



If anyone hears of an illness or accident, let me know.  
If I'm not told, I can't send out "Sunshine" cards!



- Suze Sunshine

The most completely lost of all days is that on which one  
has not laughed.

- Chamfort

Remember the steam kettle - though up to its neck in  
hot water, it continues to sing.

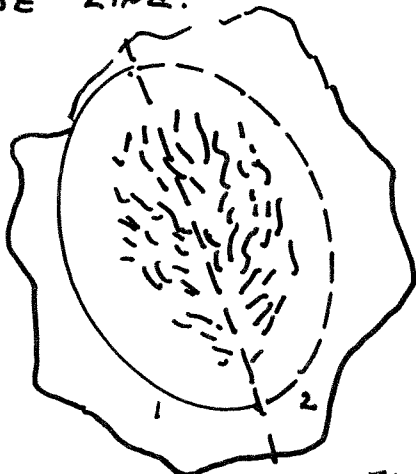
## THE PRESIDENT'S MESSAGE

First of all, I wish to extend my thanks and congratulations to Vera Lyman and the entire show committee for a very well done job. It is really impossible to point out a highlight of the show since dealers, programs, demonstrations, features, floor arrangement, ticket sales, and all of the departments that make up a show were all of the highest caliber. It was gratifying to overhear the show visitors telling that they came back a second day because of excellent programs, fine dealers, or whatever. Thank you Vera! Thank you show committee!

Because of a previous commitment made somewhat before I was re-elected to the presidency, I will be unable to attend the April Meeting. Jim Taylor, First Vice President, will preside. Please give Jim your attention and cooperation. This will be his first chance to act in this capacity. I feel fortunate that I have both a highly qualified substitute and probable successor.



A. CENTER PATTERN ON BASE LINE.



B. MARK FIRST HALF, FLIP TEMPLATE, MARK SECOND HALF, TRIM, CUT, POLISH, ETC.

A pet lapidary project of mine has been the giant sized super-cabochons of dimensions such as 140 x 95. A more accurate description of such a stone would be a 4 1/2 inch, 60 degree ellipse. One can find such templates in a drawing or engineering supply section of a bookstore or at art and blueprint shops. Each ellipse is just half an ellipse, the template being reversed to fix the other half.

To select a design that will be well centered in the stone, one must draw a base line through the chosen pattern. Each half of the ellipse is marked on each side of the base line. The result is a well centered pattern. See drawing.

In addition to templates that are suitable for marking super cabs, the above shops also stock templates that are suitable for micro- and mini-cabs, of dimensions such as 2 x 3, or very small sizes. Templates with unusual shapes and patterns are also available at these stores. If you have tired of cutting 40 x 30 cabs, you might try these more unusual dimensions and shapes.

Will miss seeing you this month, but will see you at the May Meeting. Don't forget, a display case will still be there at this month's meeting. Bring something to show your friends.

Roger Pabian,  
President



EDITOR'S NOTES: As time goes on, I become more aware of the duties involved as editor.

Thanks to the Board of Directors for allotting my tuition fees for a special evening class on Newsletters: editing, writing and design.

A limit of 24 students were permitted in the class. As fate would have it, they were all journalism students, many with degrees, including 'Masters' except one other lady and myself. She was only present for the first class. However, I did not feel intimidated in any way.

The class was very interesting. The teachers were excellent, well prepared and helpful at all times.

I learned a great deal about design, format, punctuation and grammar. It was amazing how some insignificant things could change a person's interest in an identical article.

They indicated that the most important part of a good newsletter is:

- a. contributions from fellow members
  - 1. because this opens doors to many ideas about the same general topics.

If it's only the editor submitting and writing, the channel of thinking is always similar. So please help each month by making your contribution to the Pick & Shovel. That's what makes it interesting reading.

What is an "Editor"?

- 1. a person who supervises or directs the preparation of a newspaper, magazine, etc.
- 2. a person who collects, prepares and arranges materials for publication
  - a. corrects spelling, grammar punctuation, etc.

I learned how to use proper format, placement of heading, arrangement of articles, proper illustrations; how and where to place them.

A number of helpful texts were recommended for beginning editors as well as professional writers. Several aids were handed out in class.

I plan to check into some of the texts and materials recommended. I feel they will help us to make improvements in our club bulletin.

The class was interesting, educational and rewarding. Now it presents me with a new challenge and I like that. HELP! Submit articles, ideas, etc. There is room for improvement in the Pick & Shovel.

MY THANKS  
Your Editor

LINCOLN GEM & MINERAL CLUB, INC.  
Board of Directors  
March 4, 1982

The Board of Directors meeting was called to order by President, Roger Pabian, on March 4, 1982 at 7:30 P.M. The meeting was held at the American Charter in Havelock. Five board members were present.

Minutes of the February meeting were read and approved as read. George Foral attended the January meeting and is now officially a member of LGMC.

Treasurer's report was given by Phyllis Parks. Motion by John Abel to approve the treasurer's report as read, seconded by Glenn Lyman. Motion carried.

Bills were read. Motion by John Abel to approve the regular club bills as read, seconded by Glenn Lyman. Carried.

1982 Show bills were read. Motion by Phyllis Parks to approve show bills, seconded by Glenn Lyman. Carried.

We received \$68.62 from the silent auction at the January meeting. After discussion a motion by Phyllis Parks this time it go to the American Federation Scholarship Fund to get our % and LGMC make a donation to the AFMS to make this a 2000% club. This would be \$68.62 from Auction, \$130.79 in the fund and \$224.58 from the general treasury. Seconded by Nelda Oliver. Carried.

There was no new business.

Committee reports: Roger has Publicity on two radio stations, KLIN and KFOR.

Club Scholarship: No applicants for the scholarship at this time.

New Member: Mark Mercier. Motion by Phyllis Parks to accept, seconded by John Abel. Carried.

The Skip Program is not ready at this time and it will be deferred till the April Board meeting.

Long Range Planning Committee will be asked to hold a meeting after Howard's son gets married.

Meeting adjourned.

Nelda Oliver, Secretary

## SHOW IS HISTORY

### "MY FELLOW CLUB MEMBERS"

The last weekend in March has come and gone. The annual show is again history. From all points of view, it is also another success for the club.

### MY SPECIAL THANKS -

to my Show Committee (as follows) for the excellent performance of their duties; which puts a show on the road to success.

Show Co-chairman-----Jim Taylor  
Floor Manager-----Glenn Lyman  
Dealers & Demonstrators-----Howard Taylor  
Publicity-----Roger Pabian  
Ribbons & Recognition-----Marie & Susan Taylor  
Programs-----John Abel  
Special Features-----Pat Bury  
Ticket Sales-----Bev & Paul Rueter  
Silent Auction-----Haney's & Rose's  
Working Shop-----Frank Rule  
Awards Breakfast-----Lois Everett  
Refreshments-----Marj Heedick  
First Aid-----Virginia Green

### THANKS -

to all the volunteers: those who helped set up on Friday and tear down on Sunday evening; and everyone who helped any one of the chairpersons in the performance of their duties. This results in success.

### THANKS -

especially to Nelson & Marian Short from Michigan, who worked so hard before, during and after the show.

### THANKS -

to all the dealers, working demonstrators and exhibitors for the excellent displays, sales and demonstrations.

to those who made up our 'special feature displays' as follows: Hal & Maxine Horak, Sid Rueter, Latvians, Mrs. Morris, Bev Carroll, and Dan & Ines Finch.

If I have omitted anyone, please accept my apologies and thanks.

### THANK YOU -

to the Club for the privilege of serving as Show Chairman. It was a great challenge, a learning experience; an opportunity to meet and make new friends; and yes, a lot of work which proved to be a very rewarding experience.

Sincerely,

Vera Lyman, '82 Show Chairman

OOOOOOOOOO  
O HIGHLIGHTS O  
OOOOOOOOOO

FROM HELENA!

Well, Jim and Janet tied the knot beautifully on Saturday, March 20th, at Holy Trinity Episcopal Church. I didn't hear them say "I do", but am sure the pastor did, as he pronounced them man and wife! The bride was lovely in her gorgeous gown, and after the ceremony a reception and delicious cake, snacks, etc. I would be remiss if I didn't mention the very pretty dresses of the parents of both groom and bride. And Susan Taylor made her own dress which had a long, long ruffle around the bottom and up one side of front, which took a lot of handwork, I'm sure. A beautiful bluish/turquoise color. We wish the newly weds many happy years together.

Vera Lyman had a visit from a first cousin from Germany recently. Herman Bohling and wife, of Schneverdingen, which is not far from Hanover, Germany. He is an architectural engineer and designs homes. They were in Nebraska several weeks, then on to California to visit other relatives and sight-see.

Myrtle and J.D. Young must have acquired a germ at our show, as they both have been very ill with the Flu ever since, and are coughing solos and duets in between pill-taking! We do wish them a speedy recovery, so that if Spring ever comes, they will be in shape to dig in the garden and plant their usual wonderful flowers.

Florence Boring and mother arrived back in Lincoln Thursday evening the 8th, by plane from California, where her mother had been receiving therapy treatments since before Christmas, after surgery. We are glad to hear that her mother is much better and trust that it will continue so.

We were happy to see Luella Paul and C. Ray Waddle at the show. Thanks to Tom Simmons, who brought the Waddles to the show and gave Pappy a view of the exhibits via wheelchair.

Bruce Simon had an interesting and unusual display of geometric geodes - the first of these I had seen. I felt that the show was real good, with some lovely displays - and the yummy cakes Saturday night! Now that's a Highlight of our shows, me thinks! Lots o' good cooks in our club.

Hope you all had a pleasant Easter Day, in spite of our miserable weather. Guess the Weatherman doesn't know that spring arrived some time ago.

Helena

\* \* \* \* \*

What lies behind us and what lies before us are small matters compared to what lies within us.

Emerson

TRUE FRIENDS

Many of you probably wondered who the new faces were at our annual show. They were Mrs. Hilda Zech and Mr. & Mrs. Nelson Short from Michigan.

They were our house guests who came for Jim and Janet's wedding.

They wanted to be here for the show, but they wanted to be involved. They helped with the ribbons and Nelson helped set up tables and cases Friday.

He did wire twisting of rings and flowers from various colors of fine electrical wire. He had everyone so interested that they sat at his table and created rings under his supervision.

I am sure there will be shows in this area that will have someone demonstrating wire twisting.

Thanks to Nelson; when most of us went home after the show, he was there helping break down tables and cases.

Many thanks go out to our friends from Michigan. These are true friends that asked to be a part of our show and stayed to the end.

Larry and Jacque Nowojski were also our house guests for the wedding. Larry is President of MWF.

Howard, Marie & Susan

*Welcome* - - MEMBERS:

(Reinstated)

Grant Quinn  
4401 South 27th G3  
423-0569

Adam Mueller  
3040 North 60th Street 68507  
466-6772

You will also want to change your listing for Jim Taylor and Janet Kehling since they are now man and wife. Their address is: 3420 Frost Court 68510

Please enter these additions and changes in your Who's Who to keep it up to date.

\* \* \* \* \*

It is said that you are only as old as you feel, a proposition that tricks many a man into going on the scout hike.

MATEO TEPEE - The Devil's Tower

Mateo Tepee is plains Indian for "Bear Lodge", the white man's "Devil's Tower". In any culture it is a most attractive natural object. It is inspiring, colossal; one of our most unique "National Monuments". Myrtle and I visited it several times in the last 55 years.

We first camped there in the late 1920's, with no public facilities, and walked completely around its huge base. It has not changed much over the years and probably will not change much in future eons unless thoughtless vandals desecrate it, even though it survived "Encounters of the Third Kind".

In my youth I climbed Colorado's Long's Peak and South Dakota's Harney Peak and Bear Butte, but never Wyoming's Devil's Tower. When one squints up at its 800 feet of fluted sheer rock, the thing seems to defy all efforts, but in recent years thousands of fearless expert climbers have scaled it.

In the late 1920's we interviewed some Tower visitors there who had witnessed the historic July 4, 1893 event when two men climbed it, the first humans ever known to do it. These men had spent several months constructing a ladder up more than 350 feet of the most difficult part of the climb. Its steps were sharpened jack pine sticks driven into one of the continuous vertical natural cracks in the fluted walls. Some of these were still visible 35 years later, and some may be seen even today, according to more recent visitors.

Devil's Tower probably was formed after an upthrust of molten magma was stopped short of emergence millions of years ago, thus preventing a first-class volcanic action. This material cooled and "crystallized", forming a solid rock plug. It remained under the surface until countless ages of erosion removed the surrounding softer earth, leaving the huge monolith of solid stone protruding skyward above what is now Wyoming landscape.

Early Indians indulged in theory and fantasy to explain the enormous fluted cylinder, and they came up with a real "bell-ringer", with a few tribal variations. Here is one of them.

Some lost children, being chased by an angry bear scaled a big rock and appealed to "the great spirit" for help. The rock grew upward and carried the frightened youngsters out of reach of the "mean old bear". That nasty ursine critter jumped and clawed at the entire circumference of the elevated rock mass vainly trying to reach the kids. He probably abraded his claws to mere stubs before he ambled away, leaving his spirit to haunt the place!

I have never heard how the beleaguered kiddies descended from their high perch, but they must have sneaked home to the safety

MATEO TEPEE - The Devil's Tower - continued

of their parental tepoe. Mateo Tepee is still believed to be infested with the vanquished bear's spirit, an aura of natural ghostliness; something like that still attached to South Dakota's Bear Butte, a lesser and more easily scaled volcanic fizzle northeast of the Black Hills.

The fluted Devil's Tower seems to have a more scientific explanation. There are other places where columnar structures exist when solid masses are congealed from liquid magmas. The outer surface of the tower, according to my memory, is walled by hexagonal columns. Forms with six sides seem to have a kind of "geometric magic". Larger numbers of sides will not fit without waste outside the "corners", but triangles and squares will fit, as do hexagons. The shape of idealized honeycomb cells is hexagonal.

The Belle Fourche River flows past the base of the Tower, and it often goes on a rampage, washing out the highway approaches to the bridge nearby. Tourists must then ford the river. Myrtle and I were familiar with the best place to cross, and once as we came to the river, a tourist family's car was stranded in mid-stream, with water-logged ignition and the driver desperately trying his starter.

I stopped our Essex-4 touring car at the water's edge and called to the driver, "Get out on your car's running board (cars still had running boards then) and lift one side of the hood (they were still side-opened) and I will spray your wet ignition wires with my portable fire extinguisher." He obeyed, and then I pulled a control rod on my car's dash to close its radiator front shutter, a very useful Essex-4 and Hudson Super-6 cars' feature in the "good old days". That shutter prevented water from flowing through the radiator fins to the motor wiring.

The down-draft carburetor and distributor on that old Essex-4 F-head motor were located high and dry under the hood. I had previously wrapped strips of inner tube rubber around my ignition wires to safely ford the Badlands' White River when Myrtle and I had operated the Oasis Tourist Camp as a summer venture. That Essex was almost a real amphibian. Bless its old high-pressure tires!

We "cruised" slowly out in the river to a point beside the hapless landlubber tourist. I stood up in the open Essex "convertible" and sprayed the stranded car's wet ignition system with carbon tetrachloride from the portable fire extinguisher. I said, "Now close the hood, get in and try your starter. If the engine starts, go easy on through the rest of the river."

And that he did, it did, and we all went on to visit Devil's Tower together. If you must ford a river, take it easy, and have a C C14 fire extinguisher along - just in case! (or drive an old Essex-4 car.)

QUARTZSITE: 'The rose bush of the desert'

To passers-by, Quartzsite appears to be a rather sleepy little town 22 miles into the desert along Highway 95 east of Blythe.

But the 'rose bush' of the desert - as the natives like to call it - blossoms from a paltry 700 diehards to about 30,000 and more at the beginning of each year, literally gleaming with thousands of motor homes, campers and trailers.

Three big events - the Quartzsite Pow Wow, Tyson Wells Sell-A-Rama and Cloud's Jamboree - help to bring in this city of winter visitors who, along with their usual camping activities, venture around the many sites surrounding the community.

One corner of the 'Golden Triangle' - the others are Ehrenberg and La Paz - Quartzsite abounds in mineral wealth which attracts many amateur and professional rockhounds. From Crystal Hills to Dome Rock and Kofa Mountains, thousands of prospectors have located prize nuggets of gold as well as Jasper, agate, chalcedony and other minerals.

Quartzsite is also a historical buffs' haven with such notable sites as the tomb of Hi Jolly, the Tyson Wells Stage Station, the hanging tree and several others.

The town has proved appealing to many winter visitors who flock to the desert community each year - so much so that the population of year-round residents grows a little each year.

And with the increase, and the resurgence of good prospecting in the outlying area, Quartzsite is moving ahead in new construction to handle its future needs.

The first of the construction projects entailed building two new bridges spanning washes inside the city limits along Highway 95. The bridges are expected to promote better traffic flow for the many tourists and residents utilizing that roadway.

Highway 95 is the bloodline of the community, connecting it with the various tourist attractions and nearby cities, thus the completion of the bridges is a vital step towards the growth it seeks.

- via The Quartzsite Nugget  
February, 1982

Tyson Wells hosting thousands - -

"A 23-acre tailgating spectacular" might best describe the 4th annual Tyson Wells Sell-A-Rama, Jan. 30 - Feb. 8, which is located at Interstate 10 and Highway 95 in Quartzsite.

The "baby" of the Quartzsite hobby shows, Tyson Wells' popularity has mushroomed over the years to the point that its promoters now state two shows - one from Nov. 25-29 and the other mentioned above.

If variety is your bag, Tyson Wells has it. According to publicity released about the event, displays include gems, rocks, minerals, arts, crafts, silversmithing, faceting, fire opal, turquoise, gold, silver, etc.

- via The Quartzsite Nugget  
February, 1982

Submitted by Howard Taylor



SAGENITE

The term 'sagenite' is used very casually by those of us who have been rockhounds for many years. To the beginner in the hobby however, it presents one more confusing term. The word itself is derived from the Greek word meaning 'net' or 'net-like'. That aptly describes the appearance of the mass of intertwined crystals which are at right angles to one another.

When these crystals appear in crystalline quartz they are usually named from the included material-for instance, if rutile is present we have rutilated quartz. Quartz is nearly always the last mineral to crystallize or separate during the process of solidification of a rock magma. It thus may include within its crystals all the other minerals which have crystallized previously or at the same time. These may be tourmaline, epidote, actinolite, goethite or others of the 40 different substances discovered by mineralogists to be included in quartz.

The number of hair-like crystals noted in a single quartz crystal varies from a few isolated long crystals to a multitude of short ones, often much crowded together. These elongated crystals have been described by English as 'stretched out' crystals or freak crystals. In reality the formation is a pile of cubes, one on top of the other.

Sagenite inclusions in agate are similar to those noted in quartz. Many of the finest specimens are those with fibrous hydrous silicates. The delicate acicular growth is believed to be formed first, then later a change of solution entering the cavity, a filling of chalcedony was deposited around the first mineral growth.

Cinnabar, stibnite, pyrite, marcasite, native gold, actinolite and asbestos have been identified as the inclusions. The needles may not be another mineral but an open duct or 'air tube'. Some of these were once filled with mineral matter which has been removed by surrounding percolating solutions.

Some of the needle-like inclusions resemble deer hair or straw and these are called 'deer hair' or 'straw agate'. Years ago amateurs felt that organic matter was petrified and so these 'deer hair' agates were naturally taken to be a piece of ancient deer hide. Organic matter as carbon has been identified as a filling of the ducts by Dr. Esper Larsen. Possibly some of the black areas in 'cloud agates' are a colloidal form of carbon.

- via Rock Chips, J. Art Richer  
- via Chips & Tips, Dec. '81

\* \* \* \* \*



IT'S EVERYONE'S AMERICA!  
LET'S KEEP IT BEAUTIFUL!

# Midwest Federations NEWSLETTER

Published monthly except July and August as a service to member clubs. All news and articles should be sent to the Editor, Mrs. BETTE Smith, 10807 Mary Ann, Zeeland, MI 49464. All subscription orders should be sent to Parrot Printing Service, 2125 Forest Ave., Des Moines, IA 50311.

PRESIDENT  
LARRY NAWOJSKI  
22757 Redwood Dr.  
Richton Park, IL 60471

1st VICE-PRESIDENT  
MRS. DIANE DARE  
747 E. Blackford Ave.  
Evansville, IN 47713

2nd VICE-PRESIDENT  
REX WEBB  
2600 W. 87½ St.  
Bloomington, MN 55431

SECRETARY  
MISS JEAN REYNOLDS  
107 Tuttle Ave.  
Clarendon Hills, IL 60514

TREASURER  
WILLIAM PARCH  
P.O. Box 180  
Fountain City, WI 54629



APRIL 1982 - Issue No. 223

**PITCH IN...** PUT LITTER IN ITS PLACE

## NEW SAFETY CERTIFICATE OF COMMENDATION...

*Midwest Federation of Mineralogical and Geological Societies*

*Certificate of Commendation*  
*May it be known that*

*is recognized for safety practices displayed at its 1st show, and is commended highly for its continuous cooperative endeavor to promote safety among its members to the enlightenment of the general public.*



*Safety & Field Trip Chairman - MWF*

Here you are, Members of the Midwest Federation! Take an admiring look at the beautiful MWF Safety Certificate of Commendation, which will be presented to deserving Clubs which practice safety at their annual shows.

The MWF is the very first Federation in the entire country which has one of these beautiful awards. All clubs which had shows in 1981 be sure to apply for yours.

Those clubs not involved in shows, should poll their members to see if they have experienced safety hazards at shows which have not been corrected and report this to the MWF Safety Chairman. Every member of the MWF has a responsibility in promoting safety. Congratulations to the Clubs which have already sent in their applications.

The Certificate will be the size of this page, printed on parchment paper and a gold seal with the MWF logo will be imprinted in the left hand corner.

HELEN R. NEUMANN, Chairman Safety & Field Trip Committee

EASTER...once again it's Easter, a time when the Christian world pauses to reflect upon the meaning of the life, death and resurrection of Christ. May this Easter be filled with the joyous message of rebirth and eternal life for you and your families.

NOW IS THE TIME FOR CLUBS TO PICK THEIR DELEGATE TO THE MWF CONVENTION which will be held in St. Paul, Minnesota, June 24-27. Be ready to complete and return your Delegate Registration Form when it comes in the mail early in April. The Credentials Committee will be able to better serve your delegate if the Registration Form is returned on time and carefully completed. It is to be returned to the Credentials Chairman as indicated, (return envelope is enclosed) not to the Host Club.

Remember your delegate must be registered with the Credentials Committee in addition to any registration they might make with the show organization.

This year you might consider picking, as a delegate, someone who would not otherwise attend the show or business meeting. You will also want someone who will do a good job of reporting to the members back home.

ESTHER MULLALY, Credentials Chairman



AFMS NEWSLETTER...Did you know that you as individuals can subscribe to this publication? You can... The cost is \$2.50 per year and is a real bargain making people aware of what is going on. Send your subscription money to MIGNON WAGNER, 611 Clifford Drive, Austin, TX 78745.

## MORE NEW PROGRAMS

PRECAMBRIAN GEOLOGY OF MICHIGAN #104: by ART WEINLE. This 40 slide set focuses on the general characteristics of Michigan's oldest rocks, found in the western U.P. It uses a series of colorful block diagrams and matching outcrop photos to teach geology.  
next page please----

# Your 1982 Regional Show Schedule

Here are the dates and locations of the six regional Shows in 1982. Note the National Show and Convention will be held in Houston, Texas in conjunction with the South Central Federation July 8-11, 1982.

CALIFORNIA Long Beach, California Aug. 28-30	EASTERN Pittsburgh, Pennsylvania June 18-20	MIDWEST St. Paul, Minnesota June 24-27	NORTHWEST Pocatello, Idaho Aug. 20-22	ROCKY MOUNTAIN Denver, Colorado Sept. 17-19	SOUTH CENTRAL AFMS SHOW Houston, Texas July 8-11
--	---	--	---	---	---

## IMPORTANT NOTICE

Any change of address, name, officers, editor or changes in subscription orders, PLEASE NOTIFY, GIVING THE NAME AND ADDRESS WHERE THE NEWSLETTER IS CURRENTLY BEING SENT, AS WELL AS THE NEW NAME AND ADDRESS TO:

PARROT PRINTING, 2125 Forest Avenue, Des Moines, Iowa 50311 and NOT to BETTE SMITH

MAKE COPIES OF THIS NEWSLETTER AVAILABLE TO YOUR MEMBERS...

You can have copies of this Newsletter to include in your monthly bulletin or to distribute to your members at monthly meetings at a very low price.

At only 2¢ per copy, plus shipping cost, these copies will be shipped to you each month. You can order as few or as many months as you wish. An order blank is included in the Directory. If you do not have a Directory, address a request for an order blank to PARROT PRINTING, 2125 Forest Avenue, Des Moines, Iowa 50311.



NOW IN STOCK...

THE MWF ENVIRONMENT PATCH IS NOW AVAILABLE. This four inch patch promotes the theme, For Conservation and a Clean Environment. It is available at \$2 for each patch, plus

postage, and may be ordered in quantities. Order from CLINTON HECKERT, 725 Stewart Ave., Elgin, IL 60120

## Welcome new members

The SUMMIT LAPIDARY CLUB, INC. of Cuyahoga Falls, Ohio. This new club, with 70 members, meets the first Tuesday of each month at 244 Chestnut Blvd at 7:30. President is WALTER M. HOWARD, #112A - 3064 Kent Road, Stow, Ohio. The Club Bulletin, Summit Gems, is Edited by GRACE WHITE, 3615 Gilbert Road, Cuyahoga Falls, Ohio.

Submitted by MARY EDWARDS, Membership Chairman

## NEW PROGRAMS continued---

ic sequence and the Precambrian history of our state. Includes discussion of Michigan's valuable Precambrian iron and copper deposits as well as our oldest fossils.

HELPS FOR MAKING SLIDE PROGRAMS #116: this 77 slide program was put together by KAY JENSEN, Slide Program Chairman of the AFMS. Excellent detail on many subjects we don't think of when preparing a program. Read it, follow it, then win \$100 in the AFMS contest.

PHOTOGRAPHING MINERALS #117: another good program by KAY JENSEN. 108 slides on how to make those prize-winning slides.

(Editor's Note: KAY JENSEN, 68, of Pittsford, N.Y., passed away of cancer on November 4, 1981. She had been very active in Photographic and Lapidary Societies.)

THE GREAT LAKES - THEN AND NOW #109: by DR. SAM UPCHURCH, formerly of the Geology Department at Michigan State University, now at Southern Florida University, and STEVE TCHOZESKI, Earth Science Teacher, tells the story of the Great Lakes from their obscure beginnings as a series of river valleys through the Glacial Great Lakes and finally to the modern Great Lakes. Some of the evidence for this history, as well as many of its effects, are illustrated in the 43 slides.

RECYCLING GRAVEL PITS #108: by DR. HAROLD STONEHOUSE, Michigan State University. This set is designed to teach multiple land-use, especially near large metropolitan areas where gravel pits provide both an essential natural resource and an environmental eyesore. The 41 slides depict several desirable alternatives to abandoning such pits.

LOUISE STINNETT, Chairman MWF Programs - Film Library

If you want to really have a ball - Take up sphere making.....

PATRONIZE YOUR ADVERTISING DEALERS

MEXICAN MINERALS - SLABS - TUMBLED STONES

# Everett Lapidary Shop

THE CAPITOL CITY'S FIRST ROCK SHOP

2941 North 65th

PHONE 466-6204



AUTHORIZED DEALER FOR ALL LAPIDARY EQUIPMENT

"Satisfied Customers Are Our Best Advertisement"

## J J & L ROCKS & MINERALS

"Supplies for the novice to the discriminating Rock Hound"

(402) 792-2337

Shop at 330 Locust, Hickman, Ne.

Mail order & Free Catalog, Box 68, Hickman, Ne. 68372

Jim Marburger

John Harrison

CUSTOM CUTTING  
FOSSILS

ROUGH  
MINERALS  
SPECIMENS

CABACHONS  
FINDINGS  
SLABS

FINISHED JEWELRY  
SUPPLIES

Read your bulletin to spot *new materials* or *specials* of the above advertisers.

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

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

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

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

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

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

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

REMEMBER:

The General Meeting for the month of April will be Saturday, the 24th, at 7:30 P.M.

There was no Meeting held during the month of March due to our Annual Show.

HISTORY:

The 24th Annual Show is no "history". For those who were not able to attend, you missed an excellent Show.

And for those in attendance, we hope you had a great time, and found it well worth your while to attend. We thank you for your attendance and in helping make it a success.

---

Lincoln Gem & Mineral Club  
Box 5342  
Lincoln, Nebraska 68505-0342



**BULK RATE**  
**U. S. POSTAGE**  
**PAID**  
LINCOLN, NE  
PERMIT NO. 799

John & Lillie Lewis  
6225 Judson Street  
Lincoln, NE - 68507

Exchange Editor: Vera Lyman  
420 N. 56th St.  
Lincoln, NE 68504