

THE PICK & SHOVEL



SEPTEMBER

1982

highlights

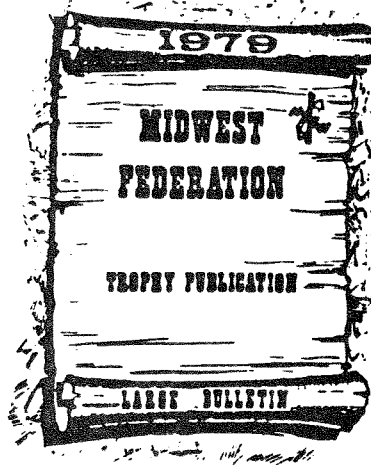
*in
this issue...*

In Memory of HOWARD TAYLOR

Neihardt Day

Delegate Report

Gem of the Month



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 3 years - Howard Taylor, Marie Taylor
2 years - Jim Parks, Phyllis Parks

STANDING COMMITTEE CHAIRPEOPLE:

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

SEPTEMBER

GENERAL MEETING: Saturday, September 25, 1982 7:30 P.M.
 Nebr. Center for Continuing Education
 33rd & Holdrege Lincoln, NE
 Norfolk Room

PROGRAM: Demonstration of Electroforming/Electroplating
 By Hal Horak, Omaha NE
 Nebraska Gem & Mineral Club

BOARD MEETING: Thursday, October 7, 1982 7:30 P.M.
 Location to be announced at General Meeting

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SHOWS & SWAPS: Sept. 17-19 Kimball, NE
 Gem & Mineral Show

Sept. 18-19 Aurora, NE
 Grand Island Rock Swap

Sept. 24-26 North Platte, NE
 Gem & Mineral Show

Sept. 25-26 Nebraska City, NE
 Gem & Mineral Show

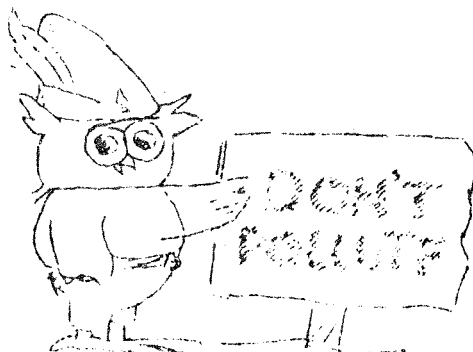
Oct. 9-10 Norfolk, NE
 Gem & Mineral Show

Oct. 16-17 Grand Island, NE
 Gem & Mineral Show

1982 REGIONAL SHOW SCHEDULE

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



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

FROM THE EDITOR'S DESK:

As Editor for Lincoln Gem & Mineral Club, I would like to dedicate this issue of the Pick & Shovel to the MEMORY OF HOWARD. He was the 'backbone' of the Club and a leader who always kept it on the right track. As members of the Club, I hope that we will continue to carry on his wishes.

* * * * *



I was introduced to Howard and Marie, Jim and Susan for the first time just ten years ago. It was three or four years later that we joined the Club and Howard was our sponsor for membership.

At the first introduction, I knew we would be special friends. But we became "family" instead. Each a part of the others.

Howard was just like my "Dad". He encouraged me to become active in the Club. First on the Board of Directors, then Show Committees, the National Show in 1980, two years ago as Editor for the Pick & Shovel, and last year as Show Chairman. It was Howard and his family who always encouraged me to take on these new challenges and helped learn many new things.

Howard would always say, "Come on, you can do it. I'll help you." And that he did!

Glenn has known Howard and Marie and their children much longer than I have from his previous membership in the Club. But last week he said, "Howard and I had so many things planned that we did not get done." "But we must go on, that's what he would want."

We spent many happy times together. He will be greatly missed.

But we want you to know; Marie, Jim and Susan; you will always be part of our family.

With Our Love and Sympathy,

Glenn and Vera
Brian, Larry and Gregory



IN MEMORY OF HOWARD TAYLOR

I can't remember when I first met Howard but I know from that time 'til he left us, my life was better by knowing him. To Marie he was a husband, to Susie, Jim and Janet he was a father. To others he was a casual acquaintance and to others he was a friend. But to me he was like a brother.

He meant so much to me when we were working on the National Shows and also our own local Shows. In the fun times he meant more to me than I ever told him. As I think back, he was so much a part of my life without being a part of it. I remember when we were both in the Veterans Hospital how he inspired me in coming down to see me every day and encouraging me to visit him too. I know it helped me recover more quickly.

We had fun rock hunting at Quartzite and just being together. He always took time to notice my own children and encourage them in what they were doing. A sign I saw one time said -- "I chased a rainbow to its end, found not gold, but a real dear friend". This was Howard to me.

I would like to quote from one of Ivan Painton's poems in his book "ECHOES AT TWILIGHT", verse 2 and 3 of

"ALL IS BUT DUST"

Some want to work the soil
And reap the harvests of their toil
Some just want to share with someone
Who'll appreciate the little things they've done.

There are those of us
Who want only a quiet life
A retreat somewhere away from
Cities and crowds and strife
To just live from day to day
And be content with whatever
Happens to come our way.

I feel this was the way Howard was, "to be content with whatever came his way".

Irl Everett

OOOOOOOOOO
O HIGHLIGHTS O
OOOOOOOOOO

FROM HELENA

Mr. James C. Coe, the philanthropist who gave the College of Engineering and College of Business Administration at University of Nebraska, Lincoln, One Million Dollars in gold Krugenauds, was a visitor in Lincoln the fore part of May, 1982. He brought Adeline Nolde a book, "Precious Stones" by Dr. Max Bauer, which encompasses almost anything one could want to know about gemstones.

On Tuesday, May 4, Mr. Coe took his nephew and wife, Dr. C.W. Martin, a professor in the Dept. of Engineering Mechanics and Adeline, of the same department, to dinner. A delightful time was had by all. Mr Coe seemed to be satisfied in knowing that the College of Engineering and particularly the Dept. Engineering Mechanics which serves all engineering students, is most grateful for his generosity. We feel he went home a happy person, which is as it should be. After all, no contributor ever made such specifications for the College of Engineering which was so sincerely meant. Those who so cruelly misjudged his kindness must have days of reckoning ahead.

Mr. Coe is an avid rock hound. His polished cabs have been meticulously executed - this is probably due to his engineering training. He graduated from the College of Engineering, and received his B.S. in Electrical Engineering. He received the Alumnus Achievement Award while in Lincoln.

Submitted by Adeline Nolde

MOONSTONES

Named after the Adula Mountains of the Swiss Alps, an early source of the stone. A precious form of feldspar, the moonstone is possessed of a rare and exciting play of light called Adularescence. The finest moonstones come from Ceylon. Usually they are given the cabochon (dome shape) cut to accent the play of light. Cut like that, it looks like a raindrop seen through fine mist at early dawn. Once extremely popular and widespread in use, the moonstone today is less known because of its scarcity. Moonstone is one of the June birthstones.

(Excerpted from Wright's Jewelers pamphlet)

* * * * *

Member Ed Rige became an uncle on May 5th. His brother and wife of Omaha are the parents of a little girl, Charlotte Lee Ridge.

Howard J. Taylor, Sr., left us Tuesday, September 7th. We all loved Howard and he will be sorely missed. Goodbye, dear friend!

Lincoln Gem & Mineral Club, Inc.
Board of Directors, May 5, 1982

The Board of Directors meeting was called to order by President Roger Pabian on May 5, 1982, 7:30 P.M. at 1815 Y St. Eight Board Members, Howard Taylor and Vera Lyman were present.

Minutes of the April meeting were read and approved.

Treasurer's report given; motion by Virginia to approve, 2nd Florence Boring. Treasurer requested information regarding annual Scholarship deposit with U of N Scholarship Foundation. After discussion Scholarship Chairman to investigate possibilities and report back to Board of Directors before taking action.

Bills were presented for recording and approval - Pick & Shovel mailing \$23.33; Dinners for 4 delegates to NAOESCI Annual Meeting, \$20.00; Printed material from MWF for Editor, \$4.50, 1982 Show bills of \$1,361.00 and \$102.13. Motion by Virginia Green to approve, second Florence Boring; carried.

Vera Lyman presented a refund check for \$17.40 for overpayment of Show Advertising.

Motion by John Abel that Lincoln Gem & Mineral Club put in a bid for the 1983 Nebraska State Show, second Jim Taylor, carried.

NAOESCI Alternate Delegate Mary Walker authorized to be 4th voting delegate for LGMC as frank Rule is on NAOESCI Board. Motion Florence Boring that State Association be asked to continue supporting Earth Science Group which made possible several awards to kids. Second by Jim Taylor, approved. Delegates to NAOESCI Meeting will be so instructed.

1982 Show Chairman will have full report in May Pick & Shovel.

Hasting Club, Host, needs materials for Silent Auction at State Show.

Summer meetings will be held on 4th Saturday of each month for programs only.

Field Trips will be scheduled May 23rd to start from 6000 Cornhusker at 8:30 A.M. Trip to Jefferson City July 10 to meet Nebr. Hall 8:30 or Tate's Corner 9:00 A.M. and trip to Humboldt area in August.

Motion by Jim Taylor that we allocate money to have too%, 1000% and any others of our American Federation Scholarship awards recorded on small stickers or tags to be affixed on one large plaque. Second Virginia Green, carried. This will make it much easier to set up displays of club awards.

Motion for adjournment by Glenn Lyman.

Next Board Meeting September 2, 1982, 7:30 P.M. at Nelda Oliver's, 5700 Otoe.

Respectfully submitted.

Nelda Oliver

THE PRESIDENT'S MESSAGE

The club's membership was deeply saddened by the recent and sudden passing of Howard Taylor. Howard probably did more than any other to bring the club to its present form and stability. Under Howard's leadership, and through his good work, the club grew to be one of great influence in the Midwest Federation and American Federation and in the Nebraska Association of Earth Science Clubs. His labors, advice, and influence will be greatly missed, as will his friendship and honesty.

Howard arranged for Hal Horak of Omaha to present the September program. It will deal with electroforming metals around gem and mineral specimens. The program promises to be of great interest.

Howard also arranged for the club to have a booth at the forthcoming Lincoln-Fest activities on October 2 and 3, at Pershing auditorium. We will need people to staff the club booth at this event. Time slots will be filled at the September meeting.

Also, on October 2, the Fred Penick estate's collection of rough cutting materials will be offered for auction beginning at ~~10:00~~ AM. There will be a good variety of cutting materials offered for sale. Proceeds will go to the University of Nebraska Foundation.

I will schedule a Silent Auction to be held at the September meeting, with proceeds to be earmarked for the Lincoln Gem and Mineral Club's fund in the Nebraska Academy of Sciences. This fund will eventually be used for high school scholarships throughout Nebraska.

For meeting displays, September will be Nebraska night. Gem, mineral, and fossil specimens from Nebraska are to be displayed. Display cases will be made available. Bring your favorite Nebraska specimens and show them to your fellow club members.

The October meeting will be South Central Federation night. Members are asked to bring for display materials that are found in the states comprising the South Central Federation. Then, November will be silver pick night when members are asked to display items that they purchased at shows during 1982. December, of course, will be the annual Christmas Party.

Nebraska City, Grand Island, and North Platte are among Nebraska clubs that have shows scheduled during the remainder of the year. Topeka, Kansas, also has a show in the remaining calendar year. (See schedule of events.) It is necessary to maintain good relationships with other clubs and one way of so doing is to attend their events, and to meet their members. Let's support our neighboring clubs. Kimball, Nebraska, also has a show in this time frame.

Many of our programs come from suggestions made by club members. If you have a program idea, please present it to me or the program chairman. We will try to arrange programs the membership suggests.

Will see you all at the meeting.

Roger Pabian
President

DELEGATE REPORT - Midwest Federation of Mineralogical & Geological Societies, St. Paul, Minnesota June 26, 1982

The 1982 MWF Council and Delegates Meeting was held at Paul's Place in St. Paul, Minnesota. Registration began at 8:00, meeting convened at 9:00 A.M.

Nebraska State Vice President Marie Taylor welcomed delegates from four of the Nebraska Clubs. Present were Connie McCartney of Grand Island Earth Science Club and his wife Mary; Carl Friskopf of the Fort Kearney Club and his wife Betty; Clifford Eickhoff of the Norfolk Club and his wife Maxine; and Phyllis Parks of Lincoln Gem and Mineral Club. Lincoln alternate delegate and Permanent Education Chairman Roger Pabian; Convention & Show Committee Chairman Howard Taylor; and Susan Taylor, Club member were also present for the meeting so Lincoln was well represented.

Following the Call to Order and Invocation, a welcome by Howard Ramaley of the Host Club, and introduction of past presidents of the American Federation and of the Midwest Federation were made. Minutes of the last meeting were approved and treasurer's report given. There are at present in MWF 268 clubs; 15,083 adult members and 945 junior members. A quorum was determined to be present so the meeting could proceed.

State Directors added to their printed reports (a copy of which will be at the Sept. meeting for members to see if they wish) and each state's delegates were introduced.

Permanent Committee Reports were also called for.

Programs are still being added to the leding library and are in demand.

AFMS Scholarship grants this year will be for 12 students for 2 years according to Mrs. Katie Steinbrenner, Chairman.

Bulletin Winners were announced and congratulations are in order for our Editor, Vera Lyman who placed in the top 5 under the classification "New Bulletin Editors". Also congrats to Ray Lambert for placing in the adult category for Original Article, "Painless Silver Picking (Well, Almost Painless)".

Convention & Show Chairman Howard Taylor reported the 1983 MWF Show for Kalamazoo, Michigan (July 14 to 17). 1984 Show hosted by Wisconsin Geological Society (July 5 to 8, 1984 at Dallas, Wisconsin). Two clubs have submitted bids for the 1985 Show and South Bend, Indiana would like to host the combined MWF and AFMS Show and Conventions in 1986.

Delegates & Council accepted bid from Wisconsin for 1984 and after excellent presentations from each of the clubs bidding for the 1985 Show, voting was scheduled and the show was awarded to Sioux Empire Gem of Sioux Falls, South Dakota with dates open for June or July.

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DELEGATE REPORT _ continued

Nominating Committee made their report and these persons were selected to be our MWF Officers for 1982-83 season: President - Mrs. Diane Dare, 747 East Blackford, Evansville, Ind.; First Vice President - Mr. Rex Webb, 600 W. 87½ St., Bloomington, Minn.; Second Vice President - Mr. James Edwards, 306 Somonauk, Park Forest, Ill.; Secretary - Miss Jean Reynolds, 107 Tuttle Ave., Clarendon Hills, Ill.; Treasurer - Mr. William Parch, P.O. Box 180, Fountain City, Wis.

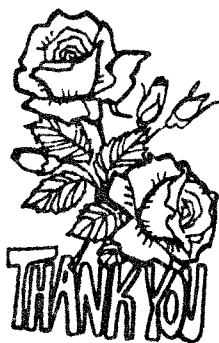
Selected to serve on the Nominating Committee were Norman Brown of Iowa and John Boland of Indiana.

Special Commemorative Stamp Chairman reported efforts to have a block of 4 gem stamps issued soon. Be sure to write the Postmaster General to encourage this.

Even with the break for dinner the meeting moved at such a fast pace with everyone cooperating and the complete agenda was well covered so the meeting could adjourn before 3 P.M. Very interesting and worthwhile.

Thank you for permitting me to be your Delegate to the 1982 MWF onvention.

Phyllis N. Parks



To Glen and Flossie

A special THANKS to Glen and Flossie for the many years of service to LGMC as Publishers for the Pick & Shovel.

We wish you both good health and hope to see you at our Meetings and Shows.

A personal THANKS from me for all the help you have given me as Editor during the past 2 years.

Vera



JOY OF BEING

In the race to be better or best, miss not the joy of being.

- Edward A. Gloeggler

NEIHARDT DAY - Sunday, August 1, 1982

"John's is the hand of pure gold - I am the alloy," said Mona Martinsen Neihardt. She was the talented artist wife of Dr. John G. Neihardt, Lincoln Gem and Mineral Club's honorary life member. He was Nebraska's famed literary genius, the first American to be named Poet Laureate by Legislative act. He held the title from 1921 until his death November 3, 1973; probably a world's record duration.

Annual Neihardt Day at Bancroft, Nebraska is the first Sunday in August, by Governor's Proclamation. The weather this year was nearly perfect, as it has been almost every time since the Day's inception 17 years ago. Several hundred devotees gathered at the Neihardt Center for the program under the shade trees, some of which had been planted by the poet in the early 1900's. Nearby is the little one-room "study" where he wrote much of his poetry, prose and short stories. The Center is now a branch museum of the State Historical Society.

The program theme, "The Music of What Happens" was dedicated to Neihardt's wife whose unselfish devotion meant much to the poet's success; a well-deserved honor. Their marriage began in 1908, and Mona died after an auto accident in 1958, just a few weeks before their Golden Wedding date.

Master of Ceremonies was Dr. Ron Hull, Lincoln, Program Manager, Nebraska Educational Television; Invocation, The Rev. Art Ernst, Norfolk, Nebraska, Dist. Supt. United Methodist Church; Introductions, Marie E. Vogt, Bancroft, President, Neihardt Foundation; Award Presentation to retiring President, Dr. Lyle Egerman, Bancroft, by Governor Charles Thone.

Hilda Neihardt Petri, Columbia, Missouri, Neihardt's second daughter, the featured speaker, gave a most interesting account of her parents' lives. This was followed by beautiful music from Mona's own cherished violin played by an accomplished young violinist, Colette Grossman, Eastman School of Music. Marshall Jamison, Senior Producer Director, Nebraska ETV Network, then treated the group with several well-chosen readings from Neihardt's "Lyric and Dramatic Poems." Program finale was Neihardt's recorded voice reciting "Black Elk's Prayer", the traditional Neihardt Day feature, always an inspiration.

The program theme "The Music of What Happens" was chosen from one of Neihardt's favorite stories about Finn, the ancient legendary hero of Ireland. At a festival, Finn had asked some chiefs what music they liked best. After many widely differing answers his choice was "The Music of What Happens." In 1971 a Lincoln author, Bess Eileen Day, gave that title to her delightful little biographical sketch of Neihardt, honoring his 90th year.

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NEIHARDT DAY - continued

Mona was the greatest "Music of What Happened" in Neihardt's life. The full story of their unusual romance is unique and worthy of more space than is possible in this article, but here is a synopsis:

The talented young violinist, multi-linguist and sculptress, who studied and exhibited with the great Rodin in Paris, was captivated by the Nebraska poet's book, "A Bundle of Myrrh" in 1907. She wrote him a "fan" letter. This led, after some months of correspondence, to their marriage in Omaha in 1908. The poet had waited at the depot, with the marriage license in his pocket, to meet his bride-to-be whom he had not yet seen, and to take her back to the modest Bancroft small-town community on the edge of the Omaha Indian Reservation.

Four children were born to them in this order; Enid, Sigurd, Hilda and Alice. Sigurd died in January 1973, an accomplished musician and teacher in Phoenix, Arizona. The daughters live in the Columbia, Missouri area, as do several of their children.

The Neihardt Center grounds are attractively landscaped with trees, shrubs and flowers enhancing the restored Neihardt Study, the Sioux Prayer Garden and the unique main Building which houses the Library, the audio-visual room and the circular Memorial Hall with its many displays of Neihardt memorabilia; the center of which features the 700 lb. fossil cycad donated by the Lincoln Gem and Mineral Club in 1975.

Exhibits from various organizations are on display from time to time. L.G.M.C. sponsored a month-long showing in 1978, comprised by several of our club members and local Bancroft people. In May 1981 our Club's "Gems On Location" traveling display was exhibited there, and much admired. This policy of changing displays avoids possible monotony. One of several life-size busts of the poet created by Mona is in a prominent place in the library; a later one in bronze is in Nebraska's Capitol "Hall of Fame."

The tenth year since Neihardt's death will be 1983. Thousands of his admirers have petitioned the U.S. Postal Service for a commemorative postage stamp in his honor. It should be issued in 1983, they hope. Dr. Robert M. Vassell, Omaha, spearheads the movement for this postage stamp. Another event planned for 1983 is a float trip down the Missouri River from Ft. Benton, Montana to Sioux City, Iowa to celebrate the 75th anniversary of Neihardt's famous and hazardous trip over the same route (then primitive) in a small open boat of his own construction. That trip gave him "Local color" for his prose book, "The River and I" and inspiration for his incomparable 5-part "A Cycle of the West"; an American epic in verse. He worked on that book for 28 years.

- Submitted by J.D. Young

GEM OF THE MONTH

* **SAPPHIRE**, saf ire, is a transparent gem, a variety of the mineral corundum. The best-known variety of sapphires has blue tints caused by impurities of iron and titanium, but sapphires exist in all the colors of the rainbow. The colored varieties are known as fancy sapphires, except the red gems, which are rubies.

The best sapphires once came from Kashmir, in northern India. Jewelers consider the typical cornflower blue color of Kashmir sapphires as the measure of fine color in a sapphire. Large stones nearly equal a fine diamond in value. The highly prized star sapphires have a crystal structure that reflects light in starlike rays. This effect is called asterism. The largest blue star sapphire in the world, called the Star of India, is on exhibit in the American Museum of Natural History in New York City. It weighs 563 carats. The gem was stolen in 1964, but was later recovered.

The best sapphires now come from Burma and Thailand. Those from Sri Lanka are often pale. Australian sapphires have a rich blue color in natural light, but appear black in artificial light. They have less value than Kashmir stones, which keep their color at night.

Large, heavy sapphires have weighed as much as 2 pounds (0.9 kilogram). The sapphire is second only to the diamond in hardness. For this reason, the stone is often used as an abrasive or polishing agent. It is also used as a needle in playing phonograph records. The sapphire is the birthstone for September. Ancient peoples regarded it as a love charm.

Frederick H. Pough

* **CORUNDUM**, koh run dum (chemical formula, Al_2O_3), is the second hardest pure mineral. Only diamond is harder. Corundum occurs as transparent nuggets in gravel, and as nontransparent grains in rocks.

Varieties of transparent corundum are polished and used as gemstones. Gemstones from corundum include the ruby, sapphire, Oriental amethyst, Oriental emerald, and Oriental topaz. The colors of the gemstones are caused by impurities in the corundum. For example, the red of the ruby is caused by the presence of chromium oxide, and the blue of the sapphire by iron and titanium. Gemstone corundum comes from India, Madagascar, mainland Africa, and Russia.

Nontransparent corundum is used as an abrasive (grinding, smoothing, and polishing material). Emery, a common abrasive, is a natural mixture of corundum and other minerals. Abrasive quality corundum and emery are mined in Turkey and Greece.

William C. Luth

- via World Book Encyclopedia
1979 Edition, Volumes 4 & 17

ALL AMERICAN FEDERATION CLUB

A A

Geologically oriented group
Organized thoughtfully with
Officers well-chosen who are
Dedicated to do the members' will.

Fossil, gem and mineral folk
Educating themselves and others by
Diversified programs of displays, pictures, and
Ecology-minded field trips, observing
Rules of Club and territory used.
Aiming always to highest national organization's goals.
Togetherness bringing out latent talents by
Inspiring better collections and workmanship for
Outstanding participation in exhibits and shows
Nationally, regionally, and locally.

Co-operation being essential in maintaining
Loyal members who remain
United-being informed regularly by
Bulletins from the Club featuring national and local articles.

- Submitted to La Docia Ellis,
Education Chairman, '81
by AFMS Club; name not given
- via AFMS Newsletter, Feb. '82

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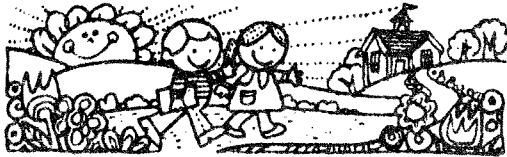
With our 25th Annual Show coming up this Spring, I thought these were some good thoughts to ponder.

WHY DO WE DISPLAY?

For The Pleasure It Brings

1. It's satisfying to see our collection attractively set up in a display. We can rightly be proud of what we show.
2. There is much joy and reward in sharing our collection with others who have similar interests.
3. It's exciting to be an important part of a group project.
4. After working diligently at our hobby, we deserve a little praise and we can get this only by sharing.
5. Displaying in a show sets up opportunities to meet other people who have found pleasure in the same interests as you. Many life-long friendships can be started in this way.
6. Sometimes we get a little stale at what we do. Preparing for a show brings new inspiration and rejuvenates your interests.

- via Puget Sound G&M, Magic
Valle Gem
- via AFMS Newsletter, May/June '82



HI, JUNIORS:

Summer vacation is over and you have all returned to school. I hope it was an exciting and happy summer for each of you.

Perhaps some of you did something unusual, or did something for the first time this summer. It would be nice to share your experiences with us. Write and tell me about it and I will print your story in the next issue of the Pick & Shovel.

Each month, or as often as possible, I will try to print an article for you about the birthstone of the month; or perhaps some other subject relating to our Gem hobby. If you have a favorite rock or gemstone you would like to know about, please let me know. I will see what information I can find, and perhaps some of the other club members can help us.

This time the story will be about "sapphire".

A sapphire is a kind of precious stone. It is transparent, which means that you can see through it. The most valuable sapphires are blue and are as valuable as diamonds, rubies, and emeralds. In star sapphires, rays of light can be seen to cross. Star sapphires may be valuable as gems even when they are not a perfect blue color.

The best sapphires are found in Ceylon, India, and Thailand. The sapphire is the birthstone for September.

A sapphire is a kind of corundum, which is made of the chemical elements aluminum and oxygen. Sapphire is one of the hardest substances known. Sapphires that are not beautiful enough to be gems are still useful for certain kinds of grinding, as bearings in watches, and as phonograph needles. Industrial sapphires of this kind are found in Montana and other states of the United States. Fine sapphires can be made synthetically, which means they can be made by man from chemicals.

* * * * *

The GI Nugget had this little story about the sapphire.

Sapphire is the symbol of truth, sincerity, and faithfulness. The Persians believed the earth rested on a sapphire whose reflection gave color to the sky. The Kashmir district of India has the world's finest quality of sapphires. Ceylon has the largest quantity of gem quality sapphires; fewer numbers of sapphires are found in the U.S. in Montana and North Carolina. Most people think of sapphire as blue, but sapphire is found in all the higher colored and transparent varieties of corundum except red. The red is called "ruby".

* * * * *

RIDDLE: A duck, a frog, and a skunk were going to the movies. The admission was a dollar. Which one of the animals couldn't get in? Answer: Skunk; the duck had a bill, the frog had a greenback, the skunk had only a scent!!

- via GI Nugget

Midwest Federations NEWSLETTER

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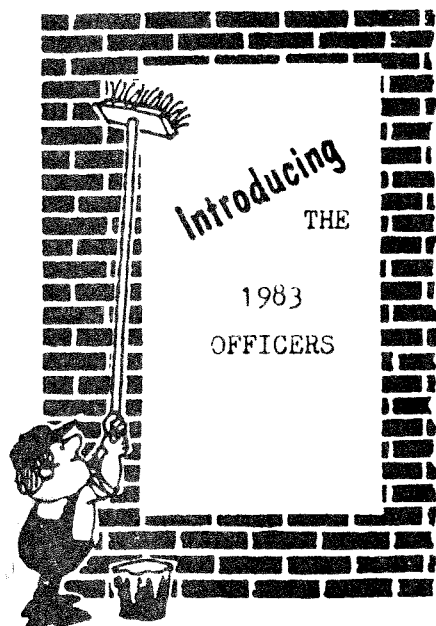
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SCHOOL STARTS ***** SEPTEMBER 1982 - Issue No. 226 ***** DRIVE CAREFULLY



PRESIDENT: MRS. DIANE DARE, 747 East Blackford Avenue, Evansville, Indiana 47713. DIANE served this past year as MWF First Vice-President. She has been Second Vice-President, Chairman of the Merit Awards, Directory and Calendar of Events, and Junior Activities Committees. She is a member of the Evansville Lapidary Society.

FIRST VICE-PRESIDENT: MR. REX WEBB, 2600 West 87½ Street, Bloomington, Minnesota 55431. REX served this past year as MWF Second Vice-President. He has been State Director as well as having served MWF in other capacities. He is a member of the Minnesota Mineral Club, Richfield Mineral Club, and Bloomington Mineral Club, and has served these clubs in almost every capacity, and as President of all three.

SECOND VICE-PRESIDENT: MR. JAMES EDWARDS, 306 Somonauk, Park Forest, Illinois 60466. JIM has served as Assistant State Director and for the past three years as Illinois State Director. He is a member and Co-Founder of the Park Forest Earth Science Club and their first President. He has held many offices and chairmanships in the club and is now Treasurer. JIM is an Engineer with American Telephone and Telegraph, and a graduate of Michigan Tech at Houghton, Michigan.

SECRETARY: MISS JEAN REYNOLDS, 107 Tuttle Avenue, Clarendon Hills, Illinois 60514. JEAN, an Honorary member of the MWF, is serving her 15th consecutive year as Secretary. She is a member and Past President of the Earth Science Club of Northern Illinois, and is Editor of the Club's Earth Science News.

TREASURER: MR. WILLIAM PARCH, P.O. Box 180, Fountain City, Wisconsin 54629. BILL is currently serving his 3rd term as MWF Treasurer. He has served as State Director for Wisconsin, and also as an Assistant State Director. He is a member of the Driftless Area Gem & Mineral Club, and the Coulee Rock Club, and has served both clubs in many capacities.

ROCKS & MINERALS FEATURES FRANKLIN

Submitted by MARIE HUIZING, Managing Editor

The famous Franklin-Sterling Hill area of New Jersey is the theme of the entire September-October issue of ROCKS & MINERALS.

Some of the subjects covered in this special, expanded issue are fluorescence, Franklin as fluorescent mineral capital of the world, franklinite, Franklin and the micromounter, the Franklin Mineral Museum, the Spex-Gerstmann collection, minerals of the area, and the annual Franklin Show.

The number of mineral species known to occur at the Franklin-Sterling Hill deposit has risen to over 270, by far more than from any other locality known to man. Of these, nearly 70 were first described from the deposit. Little wonder it has been called the world's greatest mineral locality. Now you can read all about it in ROCKS & MINERALS.

Copies of the issue will be for sale at the ROCKS & MINERALS' booth at the October 2-3 Franklin Show. They can also be ordered for \$4.00 from ROCKS & MINERALS, 4000 Albemarle St., N.W., Washington, D.C. 20016. Annual subscription rate is \$15.00.

SYMPATHY -- is extended to the family of Merton Young, who passed away on June 6. Mr. Young, of Michigantown, Indiana, was Midwest Federation President in 1964-65.

A BIG THANK YOU of appreciation goes to Mr. Fred Betlach of Edina, Minnesota, owner of Betlach Jewelers, who purchased the faceting machine at the Scholarship Fund auction in St. Paul!

SCHOLARSHIP WINNER

One of the students selected by Dr. Katherine Nelson to receive upcoming grants from the AFMS Scholarship Foundation is John A. Emerick, Jr., who sent this letter:

"I am honored to be one of the two Midwest recipients of the American Federation of Mineralogical Societies' scholarships for the academic years 1982-1984. The grant will be extremely helpful during my continuing education at the University of Wisconsin-Milwaukee. Enclosed please find a copy of my vita.

The primary focus of my graduate work is in petroleum geology and geophysics. I have recently begun field work for my Master's Thesis, which deals with the stratigraphic relationships of unconformable Ordovician and Silurian rocks in eastern Wisconsin.

I look forward to beginning a Graduate Teaching Assistantship this fall, a position which I had hoped for throughout my undergraduate work at UW-M.

Upon receiving my Master's degree, I would like to work in petroleum exploration and production, but have not ruled out the possibility of pursuing a PhD.

The ability of the AFMS to provide scholarships year after year in increasing amounts, especially in times of economic crisis, is to be commended. I would like to extend a sincere "thank you" to the AFMS, and all the organizations within its membership for making this grant possible.

Sincerely,
(s) John A Emerick, Jr."

THE MIDWEST FEDERATION SEAL (at the top of the other side of this page!)

Early in the MWF's 40-year history, the Executive Committee decided to adopt this Seal. The doubly terminated quartz crystal was suggested because quartz is one of the most abundant materials on our planet and the Midwest is a prime source of quartz.

The doubly terminated crystal is within a circle, a symbol of continuity, as the MWF founding fathers expected the Federation to continue on until the end of history, as do we, the current and future members of the Midwest Federation. The crystal is positioned within the circle so that one termination points to between one and two o'clock and the other between seven and eight o'clock.

The letter "M" is placed in the upper left quadrant and the letter "W" in the lower right quadrant of the circle. The letter "F" shall be placed in front of the quartz crystal and shall extend from the top to the bottom of the circle, with the center bar dividing the crystal into equal parts, according to the official description of the seal. The colors used are red, white and blue: red for the background, white for the quartz crystal, and blue for the lettering.

Provided by Larry Nawojski, MWF President

FROM THE SILENT AUCTION COMMITTEE: Some of the MWF Officers as well as committee people for the Scholarship Silent Auction have been besieged by questions concerning the demise of the auction. It must be understood that the host club has the prerogative to hold or not hold an auction. They also make the final decision as to the time and space allotted the auction. We feel it was unfortunate that more time and space was not allocated for this purpose at the 1982 Convention and Show. We are sorry if this situation inconvenienced you in any way.

The next issue of the MWF Newsletter will include the winners in the MWF and AFMS Bulletin and Article contests, Merit and All-American Awards, and Competitive Displays!

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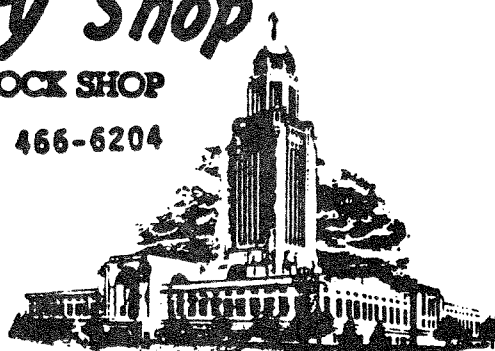
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Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate now set at \$15.00 per full page per insertion, paid in advance. 1/2 page \$7.50, 1/3 page \$5.00 1/4 page \$3.75 (min). These ads will be placed throughout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

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

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

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

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

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

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

DON'T FORGET - -

This is the month for the beginning of our new Fall Season of regular meetings on the 4th Saturday of each month.

This month's meeting scheduled for Saturday, September 25th, at 7:30 P.M. at Nebraska Center for Continuing Education.

PLAN TO ATTEND!

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