

THE ROCKPILE

Official Publication of the Midwest Mineralogical and Lapidary Society

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

April 2022



SOUTHEASTERN - MICHIGAN

Midwest Mineralogical & Lapidary Society

2022 OFFICERS

President: Dan Gumina (313) 766-8944
Vice President: Mike Bomba (313) 381-8455
Recording Secretary: Diane Kuzara (734) 675-5237
Treasurer: Doris Snyder (313) 291-2133
Corresponding Secretary: Diane Kuzara (734) 675-5237
Liaison Officer: Peter Kuzara (734) 675-5237

COMMITTEE CHAIRPERSONS

Club Services: Ana Ferguson
Door Prizes: Mike Bomba
AFMS Scholarship: Pat Rutkowski
Field Trips - Mike Bomba/Gary Slominski
Education: Dave Hendershot
Historian: Tom Morris
Michigan Material: Tom Morris
Membership: Ana Ferguson
MMLS Scholarship: Velma Bradley
Program Coordinator: Mike Bomba
Property – Storage: Gary Slominski
Sunshine Reporter: Velma Bradley
Refreshments: Gary Slominski
Web Site: Stacey Harper

ACTIVITIES

2022 Banquet: Dan Gumina
2022 Club Picnic: Stacey Harper
2022 Swap: Lou and Cindy Talley
2022 Super Swap: Bill Barr
2022 Auction: Dwayne Ferguson

The Rockpile Staff : Editor Peter Kuzara,
email: Kuzara1126@gmail.com 734-675-5237

MMLS website – www.mmls.us
Email - rockhounds@mmls.us

General Club meetings are held at 7:30 p.m. on every
third Tuesday of the month (except July and August) at
the Democratic Club of Taylor, 23400 Wick Rd., Taylor,
MI 48180

GUESTS ARE ALWAYS WELCOME

STUDY GROUPS

Lapidary: Workshop at Frank Konieczki's
Bead Study: Diane Kuzara
Mineralogy: Bill Barr at David Esch's

PAST PRESIDENTS

Robert Ellison (interim) 1956
Louis Cox 1957
Robert Heldenbrand 1958-59
Ralph Gamble 1959-60
Fred Miller 1960-61
Bert Smart 1961-62
Leo Nieman 1963
Nicholas Rothenthaler 1964-65
Robert Fedoruk 1966-67
John Good 1968-69
Cecilia Duluk 1970
Stanley Franczak 1971-72
E. Donald Stinnett 1973-74
Ralph Goniea 1975-76
Norman Hanschu 1977-78
Thomas Gibbs 1979-80
Harry Nagy 1981-82
Elspeth Gibbs 1983-84
Loretta Franczak 1985-86
Roland Snyder 1987-88
Jay Ross 1989-90
Tom Morris Jr. 1991-92
Diane Kuzara 1993-94
Bill Orban 1995-96
Glenn Swain 1997-98
Bill Peach 1999-2000
Diane Kuzara 2001-02
Cecilia Duluk 2003-04
Russ Ranker 2005-06
Dick DePodesta 2007-08
Rich Williams 2009-10
Leonard Swisher 2011-12
Mike Bomba 2013 - 14
Diane Kuzara 2015 - 16
Dan Gumina 2017 - 18
Diane Kuzara 2019 -2020

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From The President's Desk

Hello Rockhounds: Welcome to April. By now our Annual Spring Swap is history. It is finally good to return to our club events after the last missed two years. I can just say I hope everyone that participated in our Spring Swap had good sales and lightened the load in their

basements. There is always time for some type of spring cleaning. There's a lot of stuff we just can't take with us. So on we go with our other club activities and programs and promotions to help this club regroup and grow. Scholarships and field trips and activities are waiting for you. Hope to see you soon at a meeting or two. Be safe and creative. Remember to love those you hold dear near you!

Dan

April Program: A video called "Caves" from the makers of the Blue Planet Earth BBC Planet Earth series. Mike Bomba

Courtesy & Sickness Report:

President Dan Gumina's sister, Theresa Syzmanski, passed away on Ash Wednesday. She had been in hospice care for a year and was 66 years old. Our condolences to Dan and his entire family.

REMEMBER BEFORE TRAVELING A GREAT DISTANCE CHECK THAT THE EVENT IS STILL GOING ON!!!!

Dates to Remember!!

Apr. 4th, 18th & 20th Lapidary Work Shop 2009 W. Michigan Ave., Ypsilanti, Mi. 7pm. to 10 pm. Space is limited so please call Frank Konieczki 734-323-2218 before attending.

Apr. 7th & 21st Bead Study group will meet at the Kuzara's 20281 Thomas, Brownstown at 7pm. Diane Kuzara 734-675-5237.

Apr. 15th ROCKPILE DEADLINE

Apr. 19th Board Meeting will be held at the Democratic Club of Taylor, 23400 Wick Rd., Taylor at 6:30 pm.

Apr. 19th General Meeting will be held at the Democratic Club of Taylor, 23400 Wick Rd., Taylor at 7:30 pm.

Apr. 21st Mineral Study group will meet at Dave Esch's house, 227 Barton Shore Dr., Ann Arbor, Mi. At 7:30 pm.

May 2nd, 16th & 18th Lapidary Work Shop 2009 W. Michigan Ave., Ypsilanti, Mi. 7pm. to 10 pm. Space is limited so please call Frank Konieczki 734-323-2218 before attending.

May 5th & 19th Bead Study group will meet at the Kuzara's 20281 Thomas, Brownstown at 7pm. Diane Kuzara 734-675-5237.

May 13th ROCKPILE DEADLINE

May 17th Board Meeting will be held at the Democratic Club of Taylor, 23400 Wick Rd., Taylor at 6:30 pm.

May 17th General Meeting will be held at the Democratic Club of Taylor, 23400 Wick Rd., Taylor at 7:30 pm.

May 19th Mineral Study group will meet at Dave Esch's house, 227 Barton Shore Dr., Ann Arbor, Mi. At 7:30 pm.

SISTER CLUB EVENTS

Apr. 2nd & 3rd Columbus Rock and Mineral Society Ohio Building, Ohio Expo Center, 717 E. 17th Avenue, Columbus, Ohio.

Apr. 7, 8 & 9th Indian Mounds Rock and Mineral Club 45TH Annual Gem and Mineral Show, Rogers Plaza Town Center, 972 28th Street Southwest, Wyoming, MI. 49509 Kreigh Tomaszewski 616-243-5851 email: kreigh@gmail.com

Apr. 23-24—TROY, OHIO: Annual show; Miami County Gem & Mineral Club; Miami County Fairgrounds, 650 N. Co Rd 25A; Sat. 10-6, Sun. 10-4; Dewey Buck, PO Box 885, Troy, OH 45373, (937) 308-3012; Email: deweybuck12@gmail.com

Apr. 23-24—CUYAHOGA FALLS,, OHIO: Show and sale; Summit Lapidary Club and Akron Mineral Society; Emidios Expo Center, 48 E Bath Rd ; Sat. 10-6, Sun. 10-5; contact Evelyn Tryon, 2028 Tallmadge Rd, Kent,

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OH 44240-6806, (330) 673-9664; Email: gemboree76@gmail.com; Website: Summit Lapidary Club, Akron Mineral Society and Gemboree Network.

The Birthstone for April: Diamond



April’s birthstone symbolizes courage and romance. Diamond people are romantic and generous, and they will not hesitate to give the most wonderful gifts to the people they love.
From the Internet

The Michigan Mineral Beginning with the Letter H: Hematite Fe₂O₃

The most widely distributed iron ore mineral.



Hardness: 5.5 to 6.5 on the mohs scale
Color: steel gray to black
Occurrence: Dickinson, Gogebic, Houghton, Iron, Keweenaw and Marquette counties
From the internet wikipedia

Arkansas Man Finds 9 Carat Diamond At Crater Of Diamond State Park

Kevin Kinard was visiting



Arkansas' Crater of Diamonds State Park when he discovered a 9.07 carat diamond.

A bank manager discovered a 9.07-carat diamond at a state park in southwestern Arkansas after thinking the precious gem was a piece of glass.

Kevin Kinard of Maumelle found the second-largest diamond in the 48-year history of Crater of Diamonds State Park on Labor Day, according to a news release from Arkansas State Parks.

Kinard said he and his friends hauled sifting equipment to the state park in Murfreesboro. Kinard noted that he’s been visiting Crater of Diamonds regularly since he was a kid but had never stumbled upon a diamond until Sept. 7.

“I only wet sifted for about ten minutes before I started walking up and down the plowed rows,” he said. “Anything that looked like a crystal, I picked it up and put it in my bag.”

While searching in the southeast portion of the 37.5-acre diamond search area, Kinard scooped up a marble-sized crystal that had a rounded, dimpled shape. “It kind of looked interesting and shiny, so I put it in my bag and kept searching,” Kinard said. “I just thought it might’ve been glass.”

Several hours later, Kinard said he and his comrades stopped by the park’s Diamond Discovery Center, where park workers identify visitor findings and register diamonds.

“I almost didn’t have them check my finds, because I didn’t think I had found anything,” Kinard said. “My friend had hers checked, though, so I went ahead and had them check mine,too. ”The stone is the second-largest diamond ever found at the park, which opened in 1972 and is one of the only public diamond fields in the world. Crater of Diamonds has registered over 240 diamonds this year, according to the news release, and sees an average of about one or two diamonds per day. Visitors often bring their own tools to search the 37-acre diamond field, but they aren’t allowed to use battery or motor-powered tools.

“A find like this is always thrilling for the park guest, as well as the park staff, who get to help identify the gem and share in the excitement,” Stacy Hurst, secretary of the Arkansas Department of Parks, Heritage and Tourism, said in the release.

The previous record for the second-largest

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diamond found at the park since its 1972 opening was an 8.82 carat white diamond found in 1981. In 2019, a Texas woman found a 3.72-carat yellow diamond at the park. The largest diamond ever found there is a 16.37-carat white diamond named Amarillo Starlight, which was unearthed in 1975. Assistant Superintendent Dru Edmonds said in the release, "Mr. Kinard's diamond is very large, with a brandy brown color. It has a rounded, dewdrop shape and a metallic shine typical of all Crater diamonds."

Waymon Cox, park interpreter at Crater of Diamonds, told The Washington Post via email that the park employees "cannot determine a diamond's value at the park," but he noted that similarly sized finds have been estimated to be worth a fortune in the past. In 2015, for example, an 8.52-carat diamond found at the park was valued at around \$1,000,000 after it was cut into a 4.63-carat triolette.

Lucky visitors who do find diamonds are typically asked to name the stones, and Kinard named his in honor of friends who visited the park with him on Labor Day — the Kinard Friendship Diamond.

"We love to travel together and had such a great time out here," Kinard said of their trip to the park. "It was a very humbling experience."

The Only Diamond Mine In the World Where You Can Be the Miner

The above story is based on materials provided by Arkansas State Parks.

From The internet GeologyIn

LOOKING BACK! LOOKING WAY BACK!

(We gleaned this article from an old Rockpile that was written by one of our former deceased member, Loretta Franczak, enjoy.)

Seeking 'The Glorious Geode'

SUMMER FIELD TRIP, JULY 1994

Our Illinois trip started on July 16 with the arrival of our group at the campground at Bushnell including Pete and Diane Kuzara (our fearless leader and his co-pilot), Earl and Esther Northrop, Norm and Joyce Hanschu plus Crystal, Roi and Doris Snyder, Bud and Gloria Schneider, Chuck and Marge Collins, Dave and Barb Hendershot, Mike, Laura, Charles and Jonathon Uphouse, Tony and Lynnette West, Joe and Ann Slovak, Kaye and Chuck Austin, and Marilou Lea plus Mickey, Enrique, Marilyn, Alex and Jennie Enriquez, and last but not least, Bill, Pat and Billy Peach. Moteling it were Connor and Barbara Coleman, Bud and Eleanor

Littlepage, and Stan and I, at the Student Union on the campus of Western Illinois University at Macomb.

SUNDAY

Our first destination on Sunday morning was the McClure Quarry at Tennessee, which was nearby. It was a great day because it was overcast. As there were some coal seams here, the group started looking for the shale overburden - and sure enough, on top of a large hill fern fossils were found, some of them quite nice. At 6:00 in the evening we had guests and swappers from the Blackhawk Gem and Mineral Club including Floyd Dopler (their bulletin editor) and his wife.

MONDAY

Monday our destination was the Lafarge Quarry at Davenport, Iowa. This is a huge quarry on the Mississippi. We Our first destination on Sunday morning was the McClure Quarry at Tennessee, which was nearby. It was a great day because it was overcast. As there were some coal seams here, the group started looking for the shale overburden - and sure were taken to the uppermost section where some mineralized limestone was bulldozed into piles for collectors. Available here were calcite, quartz, sphalerite, iridescent pyrite and marcasite. Pretty soon some nice finds were made, with the most unique one by Tony West - white calcites on pyrite on a boulder that took three men to push onto the truck. Tony plans to trim it up at home as he knew he would lose too much of it by trying to work on it there (see slides at the Sept. meeting).

TUESDAY

Tuesday dawned quite overcast, and the day we had been waiting for came - *geode time*. On we went over the Mississippi, to Keokuk, Iowa, and then to neighboring Alexandria, Missouri to Sheffler's Rock Shop. We all registered and got buckets, and went down the road to the diggings. They had been bulldozed recently, and there was also a low-slung wall to collect in. Some chose to work in a softer clay area, and some worked their way down into the shale. There certainly are a great number of geodes in these workings. Larger geodes pretty much had to be broken open because it was impossible to tell by hefting them if they were solid or crystal encrusted. Medium and small-sized ones were very plentiful. Some had calcite (including pink), pyrite, sphalerite, etc. You could not help but get some decent geodes here. Then back to Sheffler's to pay the \$10 fee. The weather had been a mixed bag - cloudy, sunny and even some rain for good measure. An exhausting, exhilarating day for all! And in the evening, a special treat - those delicious hobo pies. Great!

WEDNESDAY

Wednesday was our off day, and some went to nearby Peoria to a gambling ship, some to Mark Twain country to Hannibal, some went rocking, and others stayed at the quite nice campground (except for the showers) with its swimming lake and water slide.

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THURSDAY

Thursday found us on the road again to Dallas City to a quarry there. The usual material along with nicely shaped calcite was found here, and some nice finds were made. This quarry had high walls and a good portion was quite shady which was welcome as the day was quite hot. Some of us went to nearby streams that we were told about and did find more geodes. Thursday was going-away dinner night at the Golden Corral restaurant in Macomb. We had our own section and everyone had enough to eat.

FRIDAY

Here it was, Friday already, and this time the quarry was at Biggsville. Not much was found at the lower level, but at a higher one, the Hanschus made the best find - millerite. Golden tufts on calcite were just lovely. Hope one of these specimens makes it to the Auction???

Not many of us found much at the quarry and again tried the streams for more geodes (might as well, right?). The scenic drive along the Mississippi was very nice. We did not see much evidence of last year's terrible flooding, but we know this was a hard-hit area.

In the evening we went back to the campground to meet with Hazel Kuntz and Flossie Anderson from the Quincy club, who came by with some swapping material.

This was certainly a wonderful trip. Pete did a marvelous job laying the groundwork and setting everything up. Thanks a million! Hope our first timers had a good time, and we missed those that usually come along.

- Loretta Franczak

Trip Highlights

Think it was the first time ever that the Kuzaras were not one of the first ones at the campground. Blame it on an on-the-road muffler replacement.

Marilou gamely going along collecting, with Kaye and Charlie (grudgingly) holding down the fort.

Think Jennie fell in love with Mickey - sure she didn't smuggle him home? Friendly Crystal busy patrolling her campground turf.

Think every road in western Illinois from small ones to Interstates was being worked on while we were there.

Great being with Marge and Chuck for a week. We've missed seeing them as much since their move.

Ann having a hard time keeping her eyes on Joe. Actually it was because of an eye problem necessitating a trip to an ophthalmologist in Galesburg.

Laura gamely coming along on this trip after her recent surgery, with Mike and the boys helping her all the way.

Pat, Bill and Billy scampering over the tallest piles (gee, we used to do that); although some of our in better-shape trippers did pretty good in the department.

Connor and Barbara having car problems, but with the help of a loaner, not missing collecting .

The Littlepages, Connors and us pretending to be students again on the campus, although the Union was a bit spooky at night with hardly anyone there during the week .

Doris doing her fire-tending stint again. She and Rol going back to Alexandria for Mr. Big .

Our enterprismg youngsters being a bit mercenary when they offered to hold umbrellas over over-heated collectors at 10 minutes for a dollar! They did share in some of the finds though. They all found some nice pieces on their own.

Introducing Tony and Lynnette to hobo pie making.

Gloria Schneider sharing her sugar-free pie with Norm and me. Not bad at all.

Dave and Barb reminding us to put aside specimens for the kids and grab bags .

Having a power failure (storms in area) in the restaurant just when everyone wanted soft ice cream for dessert.

Everyone amazed at the Enriquez' packing up all the camping gear and rocks in their mini van. Sort of nice having a doctor in the house.

Flossie Anderson presenting Joyce with our All American Club award when she and Hazel came by. Great job, all you members!

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The Northrops, being home for five hours and getting to the hospital in time for a new grandson's arrival.

All of us anxious to get to opening those intriguing geodes.

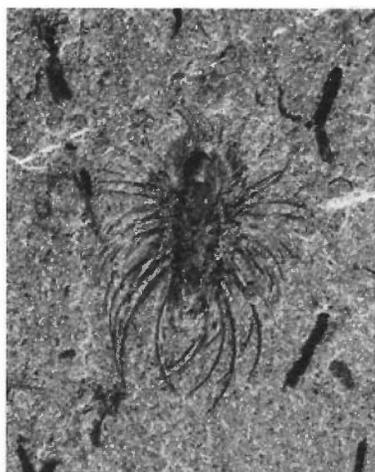
Stan had some unusual air conditioning when the back seam of his pants gave way - naughty, naughty!

Just wrote about two great finds in the article, but quite a few exceptional specimens were collected. Hope you'll bring them to the September Brag Night.
- Loretta Franczak

The End

Orthrozanclus: the armored Cambrian slug

compiled by MIKE BALDWIN



Paleontologists have identified a 500-million-year-old slug-like creature species from 11 complete fossils found in the Burgess Shale fossil beds of British Columbia. Cambrian period (543 to 490 million years ago) fossils are prolific in

this mountainous region, but complete fossils of this prickly-armor coated marine invertebrate have not been found until now. For decades paleontologists have been wondering to what creature the tiny little spines and shell-like parts belonged.

This new animal, named *Orthrozanclus reburrus*, is about half the size of a potato bug, with a hard front shell, long spines covering its entire body, and shorter spines along the edges. Some of the spines are bent, but not broken. Lacking eyes and limbs, this creature most-likely lived at the bottom of the sea, and

scooted along the ocean floor searching for bacteria-sized food.

The *Orthrozanclus* shares features with two invertebrate groups called the halkieriids and the wiwaxiids. The halkieriids and wiwaxiids are members of a large group of animals called the lophotrochozoa, which includes mollusks, worms, and brachiopods. A span of about 30 million years during the Cambrian period is manifested in the fossil record with the sudden appearance of many groups of animals which gave rise to many present day animals. Before the Cambrian period, the fossil record shows no precursors of today's animal groups other than microbes. Rather than being classified in the same group as the mollusks, worms, and brachiopods, scientists are now suggesting that the *Orthrozanclus*, the halkieriids and the wiwaxiids should be in a unique group of their own.

Works Cited:

1. S Perkins. Ancient slowpoke. Science News This Week. Science News. March 3, 2007. Vol. 171., No. 9. Science Service. Washington DC. pg 134.

2. Jeanna Bryner. Ancient prickly bugs discovered. Live Science Animal Domain.
http://www.livescience.com/animalworld/070301_hairy_bugs.html. 01 March 2007. Accessed 10 March 2007

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School Paper

Years ago, John wrote an article in the school paper about how this chemical, dihydrogenoxide, has killed over 100,000 people worldwide, usually through inhalation. His article also went on that even if you wash your food you can never get this chemical off.

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No matter what you do you, will be exposed to this very dangerous chemical every day of your life until you die. The article finished by claiming that there needs to be a government research group founded to find a solution. Anyway, the local newspaper reporter read this story in his daughter's school paper and decided to do a follow up. If you haven't figured it out yet, di-hydrogen-oxide is the correct name for H2O or water. The deaths that he was quoting were from drownings. This reporter ran the article in a paper and started a local push for a government study before they realized what the story was about.

From The Michigan Gem And Mineral Society 1/22

Some hints from way back from the September 1994 Rockpile.

"Candle" your Montana agates just as you would eggs. Punch a small hole in the bottom of a two-lb. coffee can. Turn it upside down and place a light inside. It is surprising how the light coming through the hole will show the dendrites. This saves cutting time. Rear Trunk, via Stoney Statements, 6/94

Hints from the Jewelry Bench

Be kind to your small tumbler motors. Give them a few minutes warm-up time before putting the barrel in place. Remove the barrel before turning the motor off. Chet & Margery Carlton Members of MMLSD

Some have experimented with heat treating of aquamarine to drive out the greenish color and intensify the blue. This can be done with a ceramic kiln or burnout oven. At 800 degrees F. the green disappears leaving a bright and stable blue. Embed the aquamarine crystals in sand in a ceramic jar and then raise the temperature slowly over a period of three hours. Turn off the kiln when at 800 degrees and let it cool for 12 hours.

- Earth Science News, via Pegmatite, 3/94

DON'T LET YOUR ROCKS OR (OR FUTURE OWNERS) FORGET THEIR ROOTS

Kreigh Tomaszewski, President

Indian Mounds Rock & Mineral Club (MI)

From the April, 2021 Arrowhead News

I was cleaning off a desk in the basement this week and found a few specimens in white cardboard boxes, lost behind/under a stack of papers. The sales receipt that was with the specimens was dated 2013. I will probably never know how the specimens got lost and forgotten. Needless to say, the specimens came upstairs so I could get them cataloged and properly stored in my mineral collection.

One specimen came with two labels; the visible label (from former MWF President Kevin Ponzio) was "Acanthite pseudo / Argentite Cubic Xls" from Mina Inglaterra, the second label (from La Plata y Oro), hidden under the cotton padding in the box, was "Acanthite with Silver" from the Torres Mine. My guess was that Kevin just labeled a flat of purchased Acanthite specimens individually, and was not aware of the hidden second label with this specimen. The two mines are not very close to each other: Inglaterra Mine is in Aquiles Serdán Municipality, Chihuahua, Mexico; the Torres mine is in Guanajuato Municipality, Guanajuato, Mexico. The lesson I want to share is that specimens that are found after being tucked away often come with some mystery. With science we can often remove much of the mystery. But it is very difficult, and usually impossible, to answer the question "Where did this specimen come from?" without a label. If you have boxes, buckets, or bags of specimens you collected gathering dust in your garage or basement, please go through them this month and at least label them with where they were from. You probably know, since you collected them, but if something happens to you that information will be lost without a locality label.

Specimens that don't know where they come from lose most of their value to science, and to collectors. Treat your specimens with respect and identify where they came from. The collectors who will care for your specimens after you pass them on will thank you for the location information.

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***HAPPY EASTER TO ALL
FROM THE ROCKPILE STAFF***

THE MIDWEST MINERALOGICAL AND LAPIDARY SOCIETY (MMLS) is an educational non-profit organization founded in 1956. The Society now has more than 100 members and is affiliated with the Midwest Federation of Mineralogical Societies and the American Federation of Mineralogical Societies. Significantly, MMLS has been recognized numerous times by the Midwest and American Federations with first place (gold level) awards in the annual All American Club Awards Program.

PURPOSE: The purpose of The MMLS shall be (1) to promote interest in and increase knowledge in the fields of mineralogy, geology, and paleontology, including lapidary and related arts; (2) to publish articles and information pertaining to these fields; (3) to encourage collections and to display specimens in these fields; and (4) to arrange field trips in support of the interests and activities specified.

GENERAL MEETINGS: the third Tuesday of each month, September through June, 7:30 p.m. at the Democratic Club of Taylor, 23400 Wick Rd., Taylor, MI 48180 **GUESTS ARE ALWAYS WELCOME.**

MEMBERSHIP: Applications for membership can be obtained at any general meeting or from any MMLS member.
DUES: Entrance fee - \$3.00; annual dues - \$20.00 (adult), \$2.00 (junior) on a year basis. Membership expires each Dec. 31.

ANNUAL EVENTS:

March - Spring Rock Swap and Sale, Banquet Fall- 2 Day SuperSwap and Sale November Annual Auction
Yearly Picnic

STUDY GROUPS: Special-interest study groups meet monthly, September through June. Currently the following groups are active: Bead Study, Mineralogy, Wire Study is conducted on individual basis.

FIELD TRIPS: Several one day field trips and one longer (one to two weeks) field trips are conducted each year. Mostly, these field trips focus on the collecting of mineral and fossil specimens at quarries, mines, and other known collecting sites in the United States and Canada. Field trips are restricted to MMLS members.

SCHOLARSHIP FUND: MMLS has established a scholarship Endowment Fund which provides scholarships to qualified students enrolled in an accredited college or university in southeastern Michigan who have completed at least their junior year and have a major in geology, mineralogy, paleontology or lapidary and related arts.

SEAMAN MINERAL MUSEUM: MMLS has designated the A.E. SEAMAN Mineral Museum, Houghton, Michigan, as it's "adoptive" museum, pledging to support it with gifts to the museum's endowment fund and the donation of mineral specimens and services.

INTERNET WEB SITES OF INTEREST:

Midwest Federation:

www.amfed.org/mw11index.html

Lands Access Association: <http://amlands.org>

American Federation:

www.amfed.org

The Rockhound's 10 Commandments:

Thou shall not touch thy neighbor's minerals unless he places them in thy hands.

Thou shall not test the strength of crystals by pushing, squeezing or biting.

Thou shall not drop thy neighbor's fossils, for many do not bounce properly.

Thou shall not place thy neighbor's specimens in thine own pocket.

Thou shall not collect at a neighbor's land unless unless thy neighbor knowst he's there.

Thou shall not argue names of minerals too violently; for sometimes thou couldst be wrong.

Thou shall not climb above thy neighbor's head when on a field trip, lest thou art willing to spend the rest of the day digging him out.

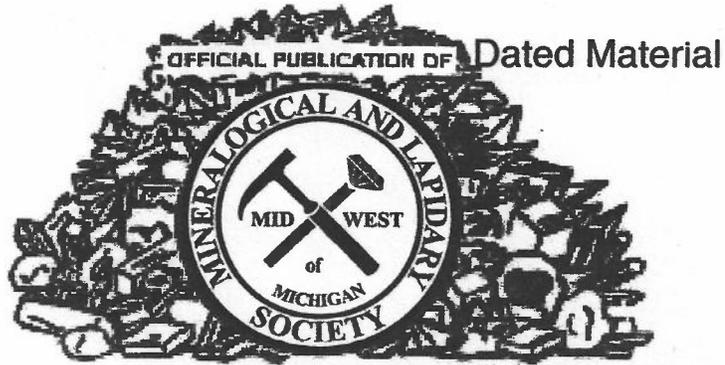
Thou shall protect thine eyes, hands & feet, so that they mayst enjoy many future field trips.

Thou shall not encroach upon thy neighbor's diggin's, lest thy neighbor's hammer be dropped upon thee.

Thou shall not break uncollectable specimens.

Midwest
Mineralogical and
Lapidary
Society of
Michigan

EDITOR
20281 THOMAS
BROWNSTOWN, MI
48183



Dated Material

The ROCKPILE

Bulletin Editor Contest Awards



1993 - 1st Place (Large Bulletin) AFMS
1991 - 1st Place (Large Bulletin) MWF
1990 - 1st Place (New Editor) AFMS
1990 - 1st Place (New Editor) MWF

