

# ROCK TRAILS



© RockTumbler.com

## **VOLUME 60 ISSUE VI July 2022**

- 2 PRESIDENT'S LETTER**
- 3 SECRETARY'S REPORT**
- 3 NEW MEMBERS**
- 4 SCHOLARSHIP RECIPIENTS**
- 5 WHAT IS MOZARKITE**
- 8 BENCH TIPS**
- 9 JULY CALENDAR**
- 10 AUGUST CALENDAR**
- 11 MGMS ROCK SWAP FLYER**

### **2022 Officers and Directors**

**President:** Edmund Jarzembksi, 419 237-2000

**Vice President:** Charlene Hacker, 517 270-8061

**Secretary:**

**Treasurer:** Doris Brzezicki, 269 267-1123

**Past President:** Glenda Gafner, 517 403-6310

**First Year Director:** Kurt Miller

**Second Year Director:** Sherman Kardatzke

**Third Year Director:** Jan Hauter

**Show Chairman:** Sherman Kardatzke, 517 673-5487

**Co-Show Chair:**

**Publicity:** Edmund Jarzembksi, 419 237-2000

**Sunshine and Membership:** Judy Snyder, Kathy  
Boyers

**Library:** Curt and Linda Miller

**Education and Lapidary:**

Sherman Kardatzke, 517 673-5487

Richard Brzezicki, 269 267-7666

**Newsletter Editor:** Kathy Boyers,

517 917-5036, kboyers@mail.com

**Website:** <http://statelinegms.com/index.html>

Meetings are held the first Sunday of each month  
at 2:00 PM, at

201 W. Main St. Morenci, MI 49256

**COVER PHOTO** – Mozarkite. State stone of Missouri. Excerpt from RockTumbler.com

## **President's letter**

The Founding Members Great Society

Greetings to Stateline members everywhere. A big thank you to everyone who helped with our 60<sup>th</sup> annual Gem and Mineral Show. Your participation helped make it run smoothly. The catering by the Essen Haus of Pettisville was an asset to our show and much appreciated. Our dealers had lavish displays, which added to the excitement of the show. We thank them for their interest in our show.

Another big thank you to all who attended. There were people from the community, families from members past, and members from other clubs who even lent a hand. Thank you to those who donated to the raffle and silent auction. Both departments were exciting.

We gave out four scholarships and all four candidates were introduced at the show. Their appearance was much appreciated.

Again thank you to everyone past and present who made our 60<sup>th</sup> Gem and Mineral Show a success.

Best regards,  
Eddie

P.S. Another big thank you: A Tupperware cake tote of watermelon wedges showed up during tear down. They were refreshing! "Who brought these? This is good watermelon," many had asked with no definite answer. It turned out Mary Schultz snuck in and dropped them off. Thank you Mary and Bill for also hosting our August 7<sup>th</sup> meeting. You both do a great job. Thanks again, Eddie.

## **Secretary's Report**

The June 5, 2022 meeting of the Stateline Gem and Mineral Society was called to order after the 60<sup>th</sup> Gem and Mineral Show at about 6:30PM after tear down. There were twelve members present. The secretary and treasurer's reports were accepted. There were no official numbers concerning the show. They will be forth coming at the next meeting. Our meeting was brief. Most of the conversation centered around the successes of the show. It was voted that the July meeting be cancelled. The next meeting will be August 7, 2022 at the home of Bill and Mary Shultz. They will host a party in behalf of the club starting at 10:00. You may bring your own drinks if you want.

Bill And Mary Schultz  
2921 CR H  
Wauseon Ohio  
Southeast corner of Co R H and 13

Respectfully submitted,  
Edmund Jarzembski  
Secretary Pro-tem

## **New Members**

Angela Williams & Mike Davie  
4590 Turnbridge  
Toledo, OH 43623  
[amwtmbgsp@gmail.com](mailto:amwtmbgsp@gmail.com)  
(419) 480-7489

Lisa Keefer  
6 Aspen Drive  
Swanton, OH 43558  
(419) 645-2553

# Stateline Gem and Mineral Society Scholarship recipients

This year we awarded scholarships to the students pictured here.  
Congratulations to DJ Newman, Cheri Mitchey, Karl Wielfaert, and Kaden Playford



# What is Mozarkite?

Mozarkite is a local name for pieces of colorful chert found in residual soils and talus derived from the Cotter Dolomite at many locations in central and southern Missouri. It is also found as pebbles and cobbles in streams that drain areas near the Cotter Dolomite.

Most mozarkite is white, gray, or brown in color, but in many locations collectors can easily find beautiful pieces with patches and swirls of pink, red, purple, orange, and yellow. Rockhounds collect these colorful pieces and use them in a variety of craft and lapidary projects.

## Uses of Mozarkite

When mozarkite is free from pores and fractures, it can sometimes be polished to a bright vitreous luster. Colorful pieces are cut into cabochons, beads, or other shapes for use in jewelry. It is also used to make [tumbled stones](#) and small utilitarian objects.

Mozarkite is a very durable material used by Native Americans to produce weapons and tools for cutting, scraping, digging, and pounding.

## Official State Rock of Missouri

During the 1950s, rock tumbling and lapidary work became popular in many parts of the United States. Rockhounds in Missouri discovered that carefully selected pieces of mozarkite could be used to make beautiful cabochons, tumbled stones, and other lapidary items. Soon mozarkite was being mounted in jewelry and sold at local arts and crafts fairs. Many people were delighted by their colorful new "Missouri gemstone".

On July 21, 1967, mozarkite was adopted as the "official state rock of Missouri" by the 74th Missouri General Assembly. This generated significant interest in the stone, and mozarkite jewelry and other lapidary items started to appear for sale in local gift and tourist shops.



## The Name: "Mozarkite"

The name "mozarkite" was created by combining the word "Missouri", the word "Ozarks", and "ite", a suffix that is frequently the last three letters of mineral names.

Mozarkite is a portmanteau, a word that mixes the sounds and meanings of other words.



## Tumbling Mozarkite

Mozarkite can be tumble polished using the standard rock tumbling instructions. We started with 1-inch to 2-inch pieces of broken mozarkite similar to the pieces shown in the photograph above. We tumbled them using the steps shown below. Mozarkite is a very durable rock and required one month of tumbling in coarse grit to shape the stone to our liking. The tumbling was done using a [Thumler's Model A-R1](#) and [A-R2](#) tumbler.

- Two weeks in [coarse grit](#) (60/90)
- Two additional weeks in coarse for better shaping
- One week in [medium grit](#) (150/220)

- One week in [fine grit](#) (500F)
- One week in [TXP aluminum oxide polish](#)

That tumbling produced the stones shown in the photograph at the top of this page.

### **Chert? Flint? Chalcedony? Jasper?**

Mozarkite is a local name, used for the colorful rocks found in Missouri. Similar rocks are found at many other locations throughout the world. What kind of rock is it? Mozarkite is made up of the mineral named quartz, and, the quartz in mozarkite is in crystals of microscopic size. Across the planet and through time, many different names have been used for rocks composed of microcrystalline quartz. Here are a few of them: chalcedony, jasper, chert, flint. Each of these names is correct.

[Chalcedony](#) is a name used for any variety of microcrystalline quartz.

Jasper is a name used for opaque chalcedony. Chert is a name that means a microcrystalline quartz that occurs as beds or nodules in a limestone or dolomite. Flint is a name often reserved for microcrystalline quartz that is fashioned into tools or weapons. All of these names are correct. Which name is proper? It often depends upon the background of the person speaking.

A gemologist might call the material that makes up mozarkite "chalcedony" or "jasper" based upon the material that it is composed of. A geologist might call them "chert" because it describes how they occurred within their parent rock unit. And, an archaeologist might call them "flint" because it refers to their use in tools. None of these names are incorrect. Each of these names is correct from a different perspective.

# Bench Tips

Smart Solutions for Your Jewelry Making Problems

[Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

## Homemade Wax Tools

Save your used X-acto or scalpel blades for utility work on the bench. They're wonderful for delicate wax work. Use a cutoff wheel or other type of grinding wheel to shape the blades to what you need. For instance, you can carve away excess metal on the spine to make yourself some narrow carving knives that do a great job of detailing small pierced areas of your waxes.

## Removing a Stone from a Bezel

If you've forgotten to use dental floss and gotten your stone caught in a bezel, there's one thing you can try before starting to pry. Find some sticky wax or beeswax. Roll it into a pencil-sized cylinder, and stick the end onto the top of the stone. Mold it on well and yank.

But if the stone is really stuck, there are two other tricks, but with risks and consequences. The first is to pry open the bezel with a sharp knife blade being very careful not to wrinkle or tear the bezel. Make sure to pry gently with several passes around the stone.

The last solution is to drill a small hole in the bezel setting from the back side so that you can push the stone out. Note that this does leave a hole, but in some cases you can use it to saw out a design under the stone.



# JULY 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
						Moose Lk.
						Agate Days
						9-5
						Moose Lk, Minn.
17	18	19	20	21	22	23
Moose Lk.						
Agate Days						
9-3						
Moose Lk , Minn.						
24	25	26	27	28	29	30
31						

# AUGUST 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
<b>Stateline 7</b> <b>GMS meet.</b> <b>and party</b>	<b>8</b> <b>Copper Co.</b>	<b>9</b> <b>Copper Co.</b>	<b>10</b> <b>Copper Co.</b>	<b>11</b> <b>Copper Co.</b>	<b>12</b> <b>Copper Co.</b>	<b>13</b> <b>Copper Co.</b>
<b>10:00</b>	<b>Rock Week</b>	<b>Rock Week</b>	<b>Rock Week</b>	<b>Rock Week</b>	<b>Rock Week</b>	<b>Rock Week</b>
<b>Bill</b> <b>Schultz's</b>	<b>Field trips</b>	<b>Field trips</b>	<b>Field trips</b>	<b>Field trips</b>	<b>Show</b>	<b>Show</b>
<b>2921 CR H</b>	<a href="mailto:Pres@ccrmc.info">Pres@ccrmc.</a> info	<a href="mailto:Pres@ccrmc.info">Pres@ccrmc.</a> info	<a href="mailto:Pres@ccrmc.info">Pres@ccrmc.</a> info	<a href="mailto:Pres@ccrmc.info">Pres@ccrmc.</a> info	<b>1-8 PM</b>	<b>1-8 PM</b>
<b>Wauseon</b>						
<b>14</b> <b>Copper Co.</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b> <b>MGMS</b>
<b>Rock Week</b>						<b>SWAP</b>
<b>Field trips</b>						<b>9:30-6</b>
<a href="mailto:Pres@ccrmc.info">Pres@ccrmc.</a> info						<b>506 5th St</b>
						<b>Mich. Ctr.</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>			

# Michigan Gem & Mineral Society 2nd Annual SWAP

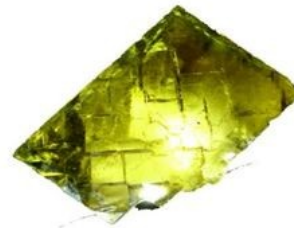
**August 20, 2022  
9:30 AM - 6:00 PM  
Admission - FREE**



**At the Park by  
Center Lake  
Boat Launch  
506 5th St.  
Michigan Ctr., MI**

**\*GEMS \* ROCKS \* MINERALS\* FOSSILS \*  
\* KIDS TABLE \* RAFFLE \* BEADS \* JEWELRY\***

## Just DIG It!



**Free Parking  
Family Friendly  
Rain or Shine**

**You must be registered to sell!  
No Sales without being registered.**

**Contact Sally at:  
[saltoosal2@yahoo.com](mailto:saltoosal2@yahoo.com)**

**517-522-3396**

**Michigan Gem & Mineral Society is  
a 501C3 non- profit**

If you would like to participate in our swap meet, email me so I can send you the forms.

