

# ROCK TRAILS



## Newsletter of the StateLine Gem and Mineral Society

VOLUME 56  
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APRIL 2016

### 2016 Officers and Directors

President: Sherman Kardatzke, 517 673-5487  
Vice President: Glenda Gafner, 517 451-2079  
Secretary: Heidi Storehalder, 517 286-6450  
Treasurer: Doris Brzezicki, 517 263-1669  
Past President: Edmund Jarzembki, 419 237-2000  
First Year Director: Jan Hauter, 517 286-6971  
Second Year Director: Carl Mulholland, 734 428-1009  
Third Year Director: Frank Kramic, 517 458-7191  
Show Chairman: Doris Brzezicki, 517 263-1669  
Publicity: Edmund Jarzembki, 419 237-2000  
Sunshine: Catherine Choske, 517 423-3572  
Education & Lapidary:  
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Richard Brzezicki, 517 263-1669  
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Meetings are held the first Sunday of each month  
at 2:00 PM  
at 201 W. Main St., Morenci, MI 49256

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## *President's Tidings*

Wow! What a month! Show season is here. I have gone to several shows (every weekend): Southfield, Roamands club, Taylor , and Jackson. Some were down or not as good as they were last year, but were good shows. Even bumped into other club members, which was great! Met a lot of old contacts and good friends. That is the best part of going to the other shows, and picking up a few more rocks is fun too!

Thanks, all of the members that helped at Jackson! It was a good show.

Everything is going good with our show planning, most of the venders have sent their applications. We lost a few dealers but have filled their spaces with new dealers, one from Idaho with opal and one from Kentucky.

Wire wrapping is still going great. Anyone that is interested, get in contact with Linda M., Judy or Carl.

Sherm



Editor's Note:

The flower photos in this month's issue are of the 'superbloom' in Death Valley. They were taken by Hanni Nichols when we went there last month. They do not do justice to the beautiful scenery that we saw while there.

Sandy

## Secretary's Scoop

President Sherm Kardatzki called the meeting to order, followed by Richard B. giving the invocation and then the Pledge of Allegiance.

Doris made a motion to accept the Secretary's reports for both January and February. Jan seconded the motion and it passed with all in favor.

Doris reported that she had deposited the membership dues and the deposits from dealers for our annual show. She also reported that she had paid Consumer's and our monthly rent, as well as paid Sherm back for the water heaters he had installed in the clubhouse. Doris projected our expected income for the Jackson show and our expected costs for our own show in June. Phyllis made a motion to accept the Treasurer's report and was seconded by Carl. The motion passed with all in favor.



Sherm reported that the trip to Kentucky is still waiting to be confirmed, but the trip to Bedford, Indiana was still on for June 21<sup>st</sup>. Their annual show is the 24<sup>th</sup> -26<sup>th</sup>. Again, those who wish to go need to let us know so that reservations can be made.

A list of volunteers for the Jackson show was discussed to ensure we would have enough people to operate our booth. It was decided that everything will be transported to the show on Thursday night instead of Friday morning by Bill and Sherm. The list of volunteers for the show is as follows:

Friday: Linda M, Judy and Richard Synder, Doris and Richard B,

Saturday: Jan, Sherm (late that day), Heidi

Sunday: Judy and Richard Snyder, Ed

Linda M. stopped by for a brief time to discuss what supplies would be needed for the next wire wrapping classes on Wednesdays.

Richard made a motion to adjourn, which was seconded by Phyllis and passed with all in favor.

Please add these new members to your list:

Ken & Doris Brailean 4275 Skinner Hwy. Manitou Beach, 49253 517-879-3920

kenanddoris@live.com

Respectfully submitted,  
Heidi Storehalder

## Ubehebe Crater



Ubehebe Crater is a large volcanic crater 600 feet deep and half a mile across located in Death Valley. We often hear mistakenly that “Ubehebe” means “big basket”, but the Paiute name Ubehebe was first applied to the 5,678 ft. Ubehebe Peak, 24 miles southwest of the crater. How the name Ubehebe became associated with the crater is not known. To the Timbisha Shoshone Indians, the crater has been known as “Tem-pin-tta- Wo’sah”, meaning Coyote’s Basket. Although applying this translation to the word Ubehebe has produced a great deal of confusion, but comparing the crater to a basket is appropriate.

### Maar Volcanoes

How did these craters originate? They are known as maar volcanoes, created by steam and gas explosions when hot magma rising up from the depths reached ground water. The intense heat flashed the water into steam which expanded until the pressure was released as a tremendous explosion. The western cluster of Maar volcanoes was the first to form, then the southern cluster, followed by Ubehebe—the largest of them all—possibly as recently as 300 years ago.

### Cinder Fields

Cinders from these explosions cover much of the surrounding area. This material is very evident as you drive up the hill to the parking area. Some cinders can even be seen on the dry bed of ancient Lake Rogers on the valley floor north of the craters. The cinders covering most of the area came from Ubehebe and are as much as 150 feet thick at the crater rim, decreasing in depth radially outward from there. The colorful layers in the crater’s eastern wall are fanglomerates through which the explosion occurred. Fanglomerate is an alluvial fan deposit hardened into rock. Sandstone and conglomerate, loosely cemented together by calcite make up this conglomerate and most of the pieces of rock are either volcanic or metamorphic.



Water erosion created the deep gullies that you see on the crater’s east side. The pink and brown mud flat at the bottom of the crater is the site of many short-lived lakes.

### Other Craters

Ubehebe is not the only crater found in this part of Death Valley. There are clusters of craters to the south and west of Ubehebe. You can walk from the sign at Ubehebe Crater, around the rim to the west and over to Little Hebe Crater, observing various smaller craters along the way. Though smaller, Little Hebe appears to be even younger than Ubehebe as one looks at its almost uneroded rim. You can return to the parking lot the way you came or make it a loop hike by following the rim of Ubehebe on around to your starting point.

2016 Stateline Gem & Mineral Society Membership

First Name	Last Name	Address	City	State	Zip Code	e-mail address	Telephone Number
Anita	Anderson	23490 Norwood	Oak Park	MI	48237		
Patricia	Baier-Hay	356 Beecher	Adrian	MI	49221	patbaierhay@gmail.com	(517) 750-7065
Ken & Doris	Brailean	4275 Skinner Hwy	Manitou Beach	MI		kenanddoris@live.com	(517) 861-0762
Richard & Doris	Brzezicki	419 N Broads St	Adrian	MI	49221	rychard@tc3net.com	(517) 263-1669
Jim & Margaret	Chagnon	7192 St Rt 582	Woodville	OH	43469	jc123mb@yahoo.com	(419) 849-2213
Catherine	Choske	707 Wenonah St	Tecumseh	MI	49286		(517) 423-3572
Nancy	Clarke	10380 Smith Rd	Britton	MI	49339	nclarke97@hotmail.com	(734) 223-6656
Sandy & Rita	Cline	580 Coon Lake Rd	North Kawartha	Ontario	LOL240	sandy@sandycline.com	
Terry	Doherty	25007 County Rd R	Fayette	OH	43521		(419) 237-2147
Dolores	Fish	322 Elm St, Apt 1	Kalamazoo	MI	49007	doloresfish@gmail.com	(269) 861-9661
David & Glenda	Gafner	3720 Britton Hwy	Britton	MI	49225	ggafner@frontier.com	(517) 451-2079
Sandy	Gerhart	704 W US 223 # 205	Adrian	MI	49221	s_gerhart@yahoo.com	(734) 547-4796
Mike	Gogel	2403 East Rauch	Erie	MI	48133		(734) 856-5914
Jan	Hauter	16857 Lime Creet Rd	Hudson	MI	49247	rhauter@wcomco.net	(517) 286-6971
Amber	Heaps	4015 Albar St	Toledo	OH	43623	amber1315@gmail.com	(419) 283-5080
Linda	Hutchins	545 Briarwood Dr	Adrian	MI	49221	lmhutchins2010@gmail.com	(517) 458-7191
Ed	Jarzembski	P O Box 375	Fayette	OH	43521		(419) 237-2000
Sherman	Kardatzke	438 Beachwood Dr	Adrian	MI	49221	sakardatzke@mcom.com	(517) 673-5487
Walter	Kozakowski	1977 N Erie St	Toledo	OH	43611		(419) 304-2176
Frank	Kramic	235 East Union St	Morenci	MI	49256		(517) 458-7191
Shirley	McGovern	PO Box 766	Fayette	OH	43521		(419) 237-8009
Curtis & Linda	Miller	15277 St Hwy 109	Lyons	OH	443533	millerlake2525@embarqmail.com	(419) 923-2090
Carl	Mulholland	15651 Buss Rd	Manchester	MI	48158		(734) 428-1009
Linda	Sharkey	6195 Roberts Rd	Mecosta	MI	49332	l.sharkey@aol.com	(989) 382-5740
Bill & Phyllis	Sipes	2108 Wolf Creek Hwy	Adrian	MI	49221		(517) 263-3816
Sue	Smithers	14109 Monclova Rd	Swanton	OH	43558	suzews2@gmail.com	(419) 825-1424
Richard & Judy	Snyder	416 Stockford	Adrian	MI	49221	judy9795@gmail.com	(517) 9023990
Heidi	Storehalter	11800 Camden Rd	Waldron	MI	49288	ponycrazy_daddysangel@yahoo.com	(517) 286-6450
Charles	Swanson	48 Towle	Adrian	MI	49221		(517) 759-0337
Karin	Taylor	P O Box 1180	Belleville	MI	48112	ktaylor2550@yahoo.com	(734) 652-3545
Armando	Zamarripa	16166 State Rt 424	Napoleon	OH	43545		(419) 906-7542

## Bench Tips

by Brad Smith

### GRIPPING SMALL DRILLS

Drilling small holes can be a problem. With drills that are less than 1 mm (18 gauge or .040 inches), some chucks will not tighten down well enough to hold the drill securely.

The problem is easily solved in either of two ways - with a chuck adapter or by buying your small drills with a 3/32 inch shank size. Either way you have a large shank to be gripped in your drill press, Foredom or Dremel, so changing bits is fast and easy.




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### PRE-MADE BEZEL CUPS

As a general rule of thumb I assume it's going to take me 15 - 20 minutes to make a bezel for an ordinary cabochon, so for some projects buying pre-made cups can save a lot of time. But if you go this route, keep in mind three things. First, try to get cups made from fine silver, not sterling. Fine silver is softer and burnishes over the stone more easily.

Second, you may have trouble matching the shape and size of the stone with the shape and size of the bezel cup. Purchased cups can only be found in a limited number of standard sizes. You may have to adjust your choice of gemstone to match the cup. The other consideration is that pre-made cups often have fairly low side walls. While these are fine for low-dome stones, they're not dependable for stones with steep side walls.

Lastly before setting, check the fit of your gemstone in the cup, particularly around the bottom. The bottom corners of a stamped cup are much more rounded than a bezel you would fabricate yourself.

This causes a problem with stones that have a sharp edge around the bottom. Burnishing the bezel over one of these stones will place a lot of stress on the stone and may cause it to crack. To avoid this, I round off the bottom edge of the stone with a diamond file (or use sandpaper on soft stones).



"Bench Tips for Jewelry Making" and  
"Broom Casting for Creative Jewelry"  
are available on Amazon

Get all 101 of Brad's bench tips in "Bench Tips for Jewelry Making" on Amazon  
[www.amazon.com/dp/0988285800/](http://www.amazon.com/dp/0988285800/)

More Bench Tips by Brad Smith are at [facebook.com/BenchTips/](https://facebook.com/BenchTips/)  
or see the book "Bench Tips for Jewelry Making" on Amazon

# Upcoming Events

**Sunday, Apr. 3, 2016**

**State Line Gem & Mineral Society**  
monthly meeting & induction of officers

**2:00 p.m**

201 W. Main St.  
Morenci, MI 49256

## Central Ohio Mineral, Fossil, Gem & Jewelry Show & Sale



**Rockhounds,  
Pebble Pups**

**Make It a Family Affair**

**What you'll find at the show:**

- Mineral, fossil and gem dealers with treasures for sale from around the world
- Interesting speakers
- Special talks for kids
- Lapidary demonstrations
- Gold panning
- Educational exhibits
- Free specimen ID
- Silent auctions
- Silent auctions for kids
- Games & activities for kids
- Door prizes
- Free specimen for kids

*Learn about family rock & fossil hunting in Ohio!*

**April 2-3, 2016**

**Sat. 10 AM-6 PM & Sun. 11 AM-5 PM**

**Northland Performing Arts Center**

4411 Tamarack Blvd., Columbus OH 43229

South side of Morse Rd. next to Menards. Access from I-71, I-270, Rt. 23.  
Look for yellow building with blue scaffold tower set back from the road.  
Plenty of **FREE PARKING** behind the building.



**Adults \$7, Seniors \$6, 2-day pass \$12, Youth 6-16 \$3, Under 6 FREE**

**FREE: Scouts & 4-H in uniform, Teachers with school ID, Military with ID**

Please note: Tickets are available at the door; cash or check only. Credit/debit cards cannot be accepted for admission, but our dealer vendors can process credit/debit cards.



**Sponsored by the Columbus Rock & Mineral Society  
with the Licking County Rock & Mineral Society**

*We are a non-profit organization and the only family-oriented, educational rock show in Central Ohio that welcomes children. All show proceeds benefit scholarships for Ohio earth science majors. We invite you to come and explore the exciting world of geology as a family. Learn more at [www.ColumbusRockAndMineralSociety.org](http://www.ColumbusRockAndMineralSociety.org).*

**Dealer contact: Craig Kramer 614-436-4511 or [craig.kramer@wowway.com](mailto:craig.kramer@wowway.com)**

**Bring in this flyer for \$1 off adult & senior ticket prices. One discount per ticket.**

**Apr. 7-9, 2016**

**Wyoming, MI**

Indian Mounds Rock & Mineral Club's  
41st Annual

**GEM & MINERAL SHOW**

Rogers Plaza Town Center

972 28th Street SW

Wyoming, Michigan

1/4 mile west of US 131

Thursday 9:30 a.m.—9:00 p.m.

Friday 9:30 a.m.—9:00 p.m.

Saturday 9:30 a.m.—7:00 p.m.

**Apr. 23-24, 2016**

**Cuyahoga Falls, OH**

Akron Mineral Society & Summit Lapidary Club

Spring Gemboree 2016

Emidio and Sons Expo Center

48 East Bath Road

Cuyahoga Falls, OH

Sat. 10 - 6, Sun. 10 - 5

**Apr. 23-24, 2016**

**Troy, OH**

Brukner Gem and Mineral Club

Annual Show

Miami County Fairgrounds

Duke Lundgard Bldg

North County Road 25-A

Troy, OH

Sat 10-6; Sun 10-4

**April 29, 30, May 1, 2016**

**Kalamazoo, MI**

Kalamazoo Geological & Mineral Society

57th Annual

Rock, Gem, Fossil and Mineral Show

"Dinosaurs Will Rule"

Kalamazoo Expo Center

2900 Lake St.

Kalamazoo, MI



## Rock Trails

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Adrian, MI 49221

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first Sunday of each month  
at 2:00 PM  
at 201 W. Main St.,  
Morenci, MI 49256

