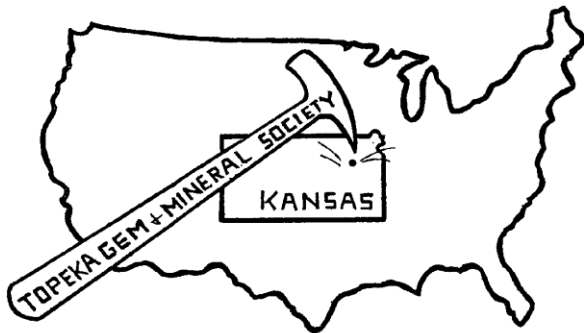


The Topeka Gem and Mineral Society, Inc.
 1934 SW 30th St. Topeka, KS 66611
 Rock2Plate@aol.com

THE GLACIAL DRIFTER



www.TopekaGMS or
 Facebook: Topeka Gem and Mineral Society Field Trip

The Topeka Gem & Mineral Society, Inc.
 Organized December 3, 1948

Member of Rocky Mountain Federation of
 Mineralogical Societies American Federation of
 Mineralogical Societies



The Glacial Drifter, Vol. 59, No. 10, Oct. 2016

The Purpose of the Topeka Gem & Mineral Society shall be exclusively educational and scientific: (1) to promote interest in geology and the lapidary arts; (2) to encourage the collection and display of rocks, gems, and minerals; (3) to encourage field trips and excursions of a geological, or lapidary nature; and (4) to encourage greater public interest and education in gems and minerals, cooperating with the established institutions in such matters.

Meetings: 4th Friday of each month, September to May, 7:30 pm, Stoffer Science Hall, Room 138, Washburn University.
 No meeting in December unless notified of a change. Picnic meetings are held June, July and August.

Dues: Individual, \$15.00; Couple, \$20.00; Junior (under 18 years of age), \$5.00. Dues are collected in December for the following year. Send dues to: **Millie Mowry, Treasurer, 1934 SW 30th St, Topeka, KS 66611.**

2016 OFFICERS AND CHAIRS

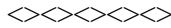
President	Mike Cote	220-3272	Cab of the Month	Debra Frantz/Fred Zeferjohn	862-8876
1 st Vice Pres.	Dave Dillon	272-7804	Field Trip Coord.	Leslie Hartman	380-6016
2 nd Vice Pres.	Carolyn Brady	233-8305	Publicity	Donna Stockton	913-645-7677
Secretary	Cinda Kunkler	286-1790	Welcome/Registration	Jason Schulz	640-6617
Treasurer	Millie Mowry	267-2849	Property	M. Cote/D. Dillon	220-3272
Directors	Harold Merrifield	633-9745	AFMS Scholarship	Cinda Kunkler	286-1790
	Chuck Curtis	286-1790	Editor/Exchange Editor	Millie Mowry	267-2849
	Open	-----	Show Chairman	Harold Merrifield	633-9745
Historian	Deborah Scanland	273-3034	Show Dealer Chairman	Dave Dillon	272-7804
Federation Rep	Harold Merrifield	633-9745	Show Secretary	Cinda Kunkler	286-1790
Corporation Agent	Millie Mowry	267-2849	Jr. Rockhound Leader	Jason Schulz	640-6617
Librarian	open	-----	Show Case Coordinator	Francis Stockton	913-645-1131
Web Master	Jason Schulz	640-6617			

Area Code for all numbers is (785).

EXCHANGE BULLETINS WELCOME

For exchange newsletters contact the club via mailing address listed above or email at rock2plate@aol.com .
Permission is granted to reprint articles only if proper credit is given to the author, Glacial Drifter and the date.

Topeka Gem and Mineral Society have a new website:
www.TopekaGMS.org Come and check us out!



Words from Our President

The show is over for another year, but what a show it was! I think the Prospectors, Craig & Tracie Cardwell was a big hit with the public. All the new dealers and the old ones said they had very good show. All shows have a few hick-ups and we worked through ours with all the members help. Thank you very much.

The nomination Committee has turned in their recommendations for the vacancy on the Board and the elections will be held in November, installation in December at the Christmas Dinner. If anyone wishes to run for an office you can be placed on the ballot at the October meeting by letting Chuck Curtis know.

The Annual Christmas dinner will be at McFarlands Restaurant at Gage Center on December 9, 2016 at 6 p.m.
President Mike and his Rock Stash!

COMMENTS OF The V-P!

We would like to know what you the members would like to have as a program at our meetings. Email your ideas to either, Dave at, davidd5124@aol.com, Millie at rock2plate@aol.com, Cinda at cindakunkler@att.net or ckunkler@mizehouser.com, or call either of us with your ideas. Thank you.

Visitors are always WELCOME at our meetings!

Lessons At The Barn

Lessons at the Barn will be every Tuesday from 6 – 9 p.m. unless there is bad weather. Watch your email for notice of cancellation if there is storm on the way.

Stone cutting, Polishing, Silversmithing, Casting (weather permitting) & wire wrapping
We have stones you can purchase to cut & polish, supplies for silversmithing, casting and wire wrap you will need to furnish or talk to Dave or Mike.

Again this year there will be a donation jar but the lessons are free to members.

Email for directions: rock2plate@aol.com davidd5124@aol.com mcote35@yahoo.com

Nominating Committee

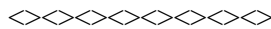
The nominating committee has selected the following to be placed on the ballot for the upcoming election.

The current Officers all agreed to hold their positions another year with the exception of:

Director: May Springer has resigned and Brad Davenport has agreed to run for that office.

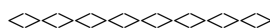
Harold Merrifield agreed to hold his position as Director for another 3 years.

Nominations will be taken from the floor at the November meeting.



Publicity

Thank you all for your trust in me and my ideas. Most things we tried did work. I'm told we had bigger numbers through the door and that is because we did things differently. It was scary and uncomfortable for some but we conquered and that feels good. Publicity tried harder than ever before and without the team working together for the same goals, it would not have worked. THANK YOU, THANK YOU, THANK YOU. Those who want to see the WIBW red couch TV ad can do so, by going to WIBW for Thursday Oct. 13. Donna



Event Calendar

OCT. 2016

NOV. 2016

1S	
2S	
3M	
4T	
5W	
6T	
7F	
8S	
9S	
10M	
11T	
12W	
13T	Wire Wrap Class at Millie's 1-3 p.m.
14F	
15S	
16S	
17M	
18T	
19W	
20T	Wire Wrap Class at Millie's 1-3 p.m.
21F	
22S	
23S	
24M	
25T	
26W	
27T	Wire Wrap Class at Millie's 1-3 p.m.
28F	TGMS Regular Meeting 7:30 p.m. Program: TBD
29S	Field Trip to Hamm's Quarry see Jr. Rockhounds for more info.
30S	
31M	HALOWEEN

1T	
2W	
3T	Wire Wrap Class at Millie's 1-3 p.m. Jr Rock Hound Mtg. Rm 206 TSCPL
4F	
5S	
6S	
7M	Board Meeting @ Millie's 7 p.m.
8T	
9W	
10T	Wire Wrap Class at Millie's 1-3 p.m.
11F	
12S	
13S	
14M	
15T	
16W	
17T	NO CLASS AT Millie's
18F	General Meeting at Stoffer Rm 138
19S	
20S	
21M	
22T	
23W	
24T	Thanksgiving
25F	
26S	
27S	
28M	
29T	Pending-Wire Wrap Class at Millie's 1-3 p.m.
30W	

Any questions, contact Millie at rock2plate@aol.com or 785-267-2849

Volunteering is the heart



beat of YOUR club

TOPEKA JUNIOR ROCKHOUNDS



The Facebook page for the Topeka Junior Rockhounds also has a new website page. Take a look and place a 'LIKE' on it.

<https://www.facebook.com/TopekaGMSJuniorRockhounds>

To register for the Junior Rockhounds or any of the classes, email: Leslie Hartman at: Hartman.12345@hotmail.com

Junior Rockhound Activity Center

We will have **the Center** open at the general meeting for Jr Rockhounds at 7:00. We will meet at Washburn University 1700 SW College Ave., Topeka, KS in the Stoffer Science Hall Room 138. **All Jr Rockhounds** to show up because each of you have one or more badges coming to you.

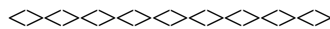
******Lessons at the Barn** from 6-9pm every Tuesday except for holidays and bad weather. 4910 Clark RD. Meriden, KS. NOTE to all: The barn will close for the winter months when Mike and Dave determine it's time and reopen by May 4, 2017. **Side note for the Junior Rockhounds:** We will be taking field trips to the barn for the Lapidary Arts #4 badge after May 4, 2017 class to finish your lapidary project. You will need to present your project at one of the general meetings to get your badge and you can display your project at the next show in October 2017 along with your collections.

Take K4 HWY north past Rees Apple Farm to 62nd ST. Turn right onto 62nd go until you come to Clark Rd. Turn south (right) onto the gravel road and keep going until you come to 4910 Clark Rd. Go slow as it will be muddy from rain. Park up at the house as you may get stuck if you pull down by the metal building (barn). There is no heat or cold air other than fans so dress accordingly. There is lots of equipment in the barn so no children can run around.

Update for the next 3 months of classes: Topeka Shawnee CO. Public Library sign in starting at 6:00 pm and classes starting at 6:30 pm.

- ✓ November 3rd, Badge #13 Gemstone Lore and Legend – instructor Barbara Smith, Room # 206 Menninger.
- ✓ December 1st, Badge # 20 Maps – instructor Pat Gilliland, Room # 101A Marvin Auditorium.
- ✓ January 5th, Badge # 7 Communication - instructor Jason Schulz, Room # 202 Anton.

Junior Rockhounds you can always bring a new friend to class who are interested in rocks and minerals. You and your friend will get a surprise



Field Trip –Leslie Hartman

This month we will be going to **HAMMs**. “A Midwest leader in Highway Construction, Aggregates, and Waste Services. Our portfolio of products and services includes highway construction, mining, and waste services. We currently have projects in Kansas, Missouri, and Nebraska. Hamm brings a combination of quality products, strategic locations, knowledgeable staff, competitive pricing, and customer commitment to every project. Our headquarters is located in Perry, Kansas and we employ 250 employees.”

- ✓ Hamm's, **609 Perry Place Perry, KS 66073. October 29th at 12:00noon.** We will meet at the sign with the big blue letters HAMM right off the interstate. I will need to check off all of the names of who is coming to make sure we have up to 25 people. We will have a tour and get to pick through some dirt to find some rocks.

All field trips are for everyone. Any Jr. Rockhound can bring a friend. I will need everyone who wants to come to email me to make sure we have around 25 people. Email me at hartman.12345@hotmail.com by **October 20, 2016. This field trip is FREE! If the weather is bad we might just take a tour of the capital instead so please watch your emails for updates.**

Thank you to all the Jr. Rockhounds who shown up to the TGM Show over this past weekend. Your presents and assistance has not gone unnoticed. Thanks to the parents also for sharing your children with us and your time. It was a pleasure working with the Jr Rockhounds and the parents and you should give yourselves a round of applause. Thank you! Also, thank you to all the members who helped in the show. We could not have done this show without your help so please give yourselves a round of applause.

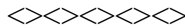
Leslie Hartman



Show Dates:



- ✓ Oct 29-30 OK City, OK, Modern Living Building, 3001 General Pershing Blvd, OK State Fairgrounds
www.OMGS.org
 - ✓ Nov 4-6 KC, MO, KCI Expo Center 11730 NW Ambassador DR. www.showsofintegrity.com
- For additional listings of gem shows see: www.rockngem.com



NEW MEMBERS



- Brown, Marion E.
- Burns, David K. & Tammie
- Byrd, Beverly
- Gary, Dave & Debbie
- Grimsley-Hett, Mona
- Hopkins, Emily & Kenny Smith
- Hooper, Marisa
- Matthews, Edith
- McKinley, Bob & JoAnn
- Travis, Steven
- Wages, Cynthia
- Wessel, Philip & Joyce A.
- Windsor, Wendell "Duke" & Sara
- Wise, Larry & Yvonne
- Wood, Cele



Minutes of the Topeka Gem and Mineral Society

9/23/16

Mike Cote called the meeting to order. Jason Schulz announced 38 members and 2 guests are present for the meeting, door prizes were awarded.

The minutes from the May meeting were printed in The Drifter. Chuck Curtis made a motion and Jason 2nd to accept as printed.

Treasurer's report was given by Millie Mowry a motion was made by Harold Merrifield to accept the report, Chuck 2nd, motion carried. No bills were presented. Millie has T-shirts, Name tags, Pins & TGMS patches for sale \$12 large and \$6 small.

Correspondence: Cinda – AFMS nothing to report.

Committee reports: Publicity – Donna Stockton introduced a guest, Vanessa Hill, she is a teacher at Williams Magnet School where we will give a presentation October 8. Shirts are in; billboards are going up; we are scheduled for the 'Red couch' on Oct 13th; the Cardwell's are coming and we will have a continental breakfast for sponsors & donors on Saturday morning before the show opens as a thank you. We need to get posters and coupons out wherever we can.

Historian – Deborah Scanland has nothing to report, she's been working with publicity getting bags ready for the show.

Show committee – Dave & Harold report we have 18 vendors & demonstrators, sign-up sheets have several slots open. We need extra help at storage to load up and then to unload after we take it all down. Francis Stockton has cases available if you want to fill one for the show, let him know. We should have around 34 4-H displays this year. Cinda has security ribbons, for members as you walk around to help watch out for thieves, which a vendor reported happened at last year show.

Field Trip – Leslie Hartman has a trip to Science City in KC planned for tomorrow and a trip to Hamm's Quarry next month.

Website – Jason has 114 likes on Facebook page and 29 likes on Rockhounds, if you are on Facebook, make sure to 'like' us!

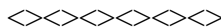
New Business: Junior Rockhound badges were presented by Jason to our Juniors (so many I lost count!) – Way to go Juniors! Francis has a suggestion for the theme of next year's show – 'Of Quartz it is!'.

Old Business - Millie had mailed and emailed changes on our By-Laws in May, we need to finalize them now. No objections were made. Cinda Moved and Chuck 2nd the change of the By-Laws, motion carried.

With no further business, we adjourned to our program: Presentation by Zach Smith on Mines & Camp he attended, then our silent auction.

Fred Zeferjohn announced the Cab of the Month contest winners are: Member Cab; Larry Springer – Rutilated Quartz; Member Jewelry; Millie Mowry – Wire wrapped Australian Pink Opal Jasper.

Respectfully submitted by Cinda Kunkler, Secretary



Pictures from the 60th Diamond Jubilee Gem & Mineral Show



Congratulation to Ian and Robert on their 4-H displays.



Jr. Rockhound Booth



The Cardwell Family



Ean doing wire wrap



AZURITE

CREDIT FOR PHOTO TO:
SEAN HILL and STAN
ARNEKLEV

There is a reason that Arizona's state flag has nice copper star on it, and that is because of the ubiquitous nature of the metal, whether as native metal nuggets or as various carbonate ores. This month we are going to talk about one of these carbonates,

Azurite $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$.
Hardness on the MOHS scale is 3.5-4.

This carbonate is a secondary copper mineral frequently found in the oxidized zones of Cu-bearing ore deposits. As part of the name suggests, "Azure", this mineral is a deep royal blue and is attractive as either sparkly coatings or well-formed but still small monoclinic prisms. Azurite is most always is seen with its brother mineral, Malachite, the reason? Well, Azurite tends to weather with carbon dioxide slowly into Malachite so don't breath on it too much. Azurite can also occur with limonite, chrysocolla and calcite as well as other copper-related minerals such as tenorite and cuprite.

While its discovery could well be Pre-Historic, it was "officially" recognized in science by Swedish Alchemist, Baron Axel Fredrik. He was trying to discover the Element of Nickel, he called it, kupfernickle "copper demon". But long before then, this amazingly blue mineral was used as a pigment in paints similar to Lapis Lazuli, and in fact was confused as such for centuries. Azurite was used as beads, and as an ornamental stone, but its softness tended to make it a bit to delicate to wear. Since Azurite is a bit on the delicate side, collectors should use a cool, dark, sealed storage environment.

Collecting:

In the U.S., most fine specimens are from numerous localities in Arizona, which includes the famous and classic locality of Bisbee. Other localities in Arizona include Ajo, and Clifton, Morenci and Globe. Azurite also occurs in the Rose Mine in Grant Co., New Mexico, and elongated, tabular crystal clusters as well as rounded ball concretions have come from the La Sal District and La Sal Mountains, San Juan Co. and Grand Co., Utah. Also in Utah is the Apex Mine, Jarvis Peak, Washington Co. A recent finding of Azurite crusts has also been discovered in the Passaic Pit in Ogdensburg, Sussex Co., New Jersey. Remember ALWAYS gain permission before collecting.

(Source: Rock Talk-White Mountain Gem & Mineral Club-Oct 2016)

