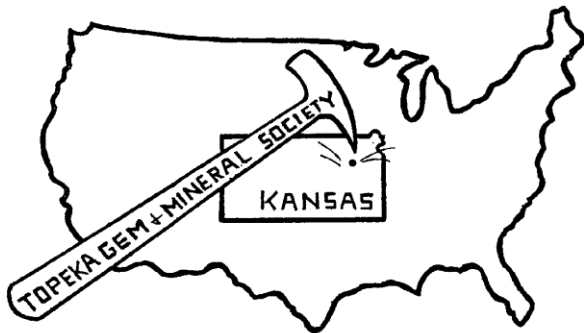


The Topeka Gem and Mineral Society, Inc.
 1934 SW 30th St. Topeka, KS 66611
 Rock2Plate@aol.com

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. 11, Nov. 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

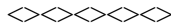
President	Mike Cote	220-3272	Cab of the Month	Debra Frantz/Fred Zeferjohn	862-8876
1 st Vice Pres.	Dave Dillon	272-7804	Field Trip Coord.	Leslie Hartman	380-6016
2 nd Vice Pres.	Carolyn Brady	233-8305	Publicity	Donna Stockton	913-645-7677
Secretary	Cinda Kunkler	286-1790	Welcome/Registration	Jason Schulz	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 Annual Christmas dinner will be at McFarlands Restaurant at Gage Center on December 9, 2016 at 6 p.m. The Club elections will be held at the November meeting, so if you want to be on the slate, let one of the Officers know beforehand. Brad Davenport has agreed to fill the Director's spot for the next 3 years. The 2017 Club dues is now due so be sure to get your money in as soon as possible to Millie. The program this month is still pending due to the fact that Mark and Kathy Ellis will not be available because of health reasons.

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.

Classes will end this month on November 15th for the year until next spring! It has been a great year and Mike and I have seen several excellent projects come out of this year classes. Ditto to everyone and congrats to the winners of our class cabs and jewelry contests each month at our club regular meetings. We look forward to next year group and we know we will have several new members that want to learn! A lot of our regulars are now doing projects at home so there will be room for the new ones. I will see you all at our regular meeting this month and Happy Thanksgiving to everyone and have a safe holiday! Dave-

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

Last Class At The Barn Will Be Nov. 15th.

Nominating Committee

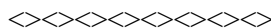
The nominating committee has selected the following to be placed on the ballot for the upcoming election.

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.



Volunteering is the heart



beat of YOUR club

Event Calendar

Nov. 2016

1T	
2W	
3T	Wire Wrap Class at Millie's 1-3 p.m. Jr Rock Hound Mtg. Rm 206 TSCPL
4F	
5S	
6S	
7M	
8T	Class at the Barn
9W	Board & Show Meeting @ Millie's 7 p.m.
10T	Wire Wrap Class at Millie's 1-3 p.m.
11F	
12S	
13S	
14M	
15T	Last Class at the Barn
16W	
17T	NO CLASS AT Millie's
18F	TGMS Regular Meeting 7:30 p.m. at Stoffer rm 138 Program: TBD
19S	FIELD TRIP TO: TURKEY POINT
20S	
21M	
22T	
23W	
24T	THANKSGIVING
25F	
26S	
27S	
28M	
29T	
30W	

Dec. 2016

1T	Pending-Wire Wrap Class at Millie's 1-3 p.m. check for emails Jr Rockhound Mtg Rm 101A Marvin Auditorium
2F	
3S	
4S	
5M	
6T	
7W	
8T	Pending-Wire Wrap Class at Millie's 1-3 p.m. check for emails
9F	TGMS Christmas Dinner-McFarlands 6 p.m. No meeting this month.
10S	
11S	
12M	
13T	
14W	
15T	Pending-Wire Wrap Class at Millie's 1-3 p.m. check for emails
16F	
17S	
18S	
19M	
20T	
21W	
22T	No Class at Millie's
23F	
24S	
25S	CHRISTMAS DAY
26M	
27T	
28W	
29T	Pending-Wire Wrap Class at Millie's 1-3 p.m. check for emails
30F	
31S	NEW YEAR'S EVE

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

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 Activity Center open for Jr Rockhounds at 7:00** with instructors Leslie and Isaac Hartman. We will review over collecting fossils, rocks, and minerals, labeling, and displaying which is part of the collecting badge #5 and badge # 6 showmanship. We will meet at Washburn University 1700 SW College Ave., Topeka, KS in the Stoffer Science Hall Room 138.

******Lessons at the Barn** from 6-9 pm every Tuesday except for holidays and bad weather. 4910 Clark RD. Meriden, KS. NOTE to all: The barn will close for the winter months, on November 15th. 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.

(Some classrooms and dates may have changed so please watch for changes) ****Here are reminders of the **next 3 months of classes:** Topeka Shawnee CO Public Library sign in starting at 6:00pm and classes starting at 6:30pm.

1. December 1st, Badge # 20 Maps – instructor Pat Gilliland, Room # 206 Menninger Room NOT 101A Marvin Auditorium.
2. January 5th, Badge # 7 Communication - instructor Jason Schulz, Room # 202 Anton.
3. **February 9th, Badge # 17 Special Effects – Instructor Barbara Smith, Room 206 Menninger Room NOT Room # 101B Marvin Auditorium and this will be the 2nd Thursday of the month!**

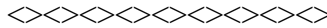
Junior Rockhounds you can always bring a new friend to class who are interested in rocks and minerals. You and your friend will get a surprise.

******REMINDER****** **Due to Thanksgiving the next General Meeting is November 18th at 7:30pm.** We will have **the Activity Center open for Jr Rockhounds at 7:00** with instructors Barbara Smith, Isaac, and Leslie Hartman. We will review over collecting fossils, rocks, and minerals, labeling, and displaying which is part of the collecting badge #5 and badge # 6 showmanship. **Those Jr Rockhounds who show up will received a special surprise....So you DON'T WANT TO MISS this one.** We will meet at Washburn University 1700 SW College Ave., Topeka, KS in the Stoffer Science Hall Room 138.

ROCKS, FOSSILS, MINERALS of the MONTH

Starting December 1, 2016, each Jr. Rockhound will receive one of the following each month rock, fossil, or mineral. Each Jr Rockhound will be given information about that month's rock, mineral, or fossil to take home to read, possible little game like a crossword puzzle to have fun, some questions to look up about the item they received, reminders of how to label and record. This will help them to build their collection (Badge #5) and fill up a display case (Badge #6.4) at the next 2017 show. The 2017 show, if any Jr Rockhounds does not have enough rocks, fossils, or minerals for a display case, that will be ok. We can come together to share a display case and you will still earn credit for Badge #6.4. This will be a learning experience for each Jr Rockhound to improve on their skills for 2018 show.

If any TGMS member has any rocks, minerals, and/or fossils that is not needed anymore or just want to clean out the closet. Please consider bringing these donations to any general meeting, Jr rockhound class, or meet me anywhere. If possible, please have the list of names and locations from where these donations come from such as Cidaras Echinoid Morocco so the Jr Rockhounds can label them once they receive the donations. Your donations will be greatly appreciated. Thank you in advance!



Field Trip –Leslie Hartman

The field trip this month we will be going to Turkey Point, no pun intended because this is November Thanksgiving month. Because of Thanksgiving the date has been moved up a week. The directions I take is taking I75 south to KS278 west to west 293rd which turns into a gravel road and South Anderson (you will pass Melvin Lake and Eisenhower State Park) to west 301st and Indian Hills Rd. You will see a sign stating Turkey Point Park and we will be parked right there. There is only one way in and out is at that sign.

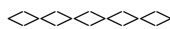
All field trips are for everyone. Any Jr. Rockhound can bring a friend. November 19, 2016 at 10AM. This field trip is FREE! Watch your emails for updates on weather changes, we will change locations. Email me if you can make it. hartman.12345@hotmail.com.

Show Dates:



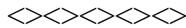
- ✓ Nov. 18-20 Golden, CO. Jefferson CO Fairgrounds Exhibit Halls, 15200 W 6th Ave, Free, geodyssey-rocks.com
- ✓ Nov. 19-20 Mesquite, TX. Dallas Gem & Mineral, Rodeo Center Exhibit Hall, 1800 Rodeo Dr, dallasgemandmineral.org

For additional listings of gem shows see: www.rockngem.com



NEW MEMBERS

Keith Wolfenbarger
Jerry & Jean Ostrander



*Happy Thanksgiving!
To You And Your Family*

What is Wire Wrapping?

Examples of wire and beaded jewelry made using wire wrapping techniques date back to thousands of years BC. Biblical scholars have identified wire sculpting dating back to 1446 BC, nearly 500 years before the Phoenicians were known to use wire wrapping as a jewelry technique. The British Museum has samples of jewelry from the Sumerian Dynasty found in the cemetery of Ur. They contained spiraled wire components and were dated about 2000 BC.

Jewelry from ancient Rome shows wire wrapped loops which are an important technique in wire wrapped jewelry. Researchers have also found components of wire jewelry in pharaohs' tombs and pyramids in Egypt. Recently a 2000-year-old gold wire earring, set with emerald and pearls, was found in Jerusalem in excavations at the "Walls around



Modern wire-wrapped labradorite pendant by MC.

Jerusalem National Park".

Early wire used for wire jewelry was made by metal pounded flat into sheets, then cut into strips and rolled into tubes. Most likely gold was first used because it's easy to hammer into thin sheets. Wire jewelry has lasted because it's the only known jewelry craft that does not require soldering or casting. Ancient civilizations could produce wire wrapped jewelry because they didn't need fire, electricity or other modern technologies. Wire wrapping requires only simple tools to bend, twist and cut the wires to form them to hold gems, stones, beads and other wires. This allows an artist (ancient or modern) to design a very unique piece of wire jewelry will stand last for ages, all without glue, solder or other agent to hold the pieces together.

From research on the internet by Sue Ogden, Hour Glass News 2/2016

Minutes of the Topeka Gem and Mineral Society

Meeting of the Topeka Gem and Mineral Society – 10/28/16

Mike Cote called the meeting to order. Jason Schulz announced 32 members and 1 guests are present for the meeting, door prizes were awarded.

The minutes from the September meeting were printed in The Drifter. Jason made a motion and Harold Merrifield 2nd to accept as printed.

Treasurer's report was given by Millie Mowry a motion was made by Cinda to accept the report, Jason 2nd, motion carried. No bills were presented.

Correspondence: Cinda show flyer, Deborah Scanland has Lucy Sterpenig's address if anyone wants to contact her.

New Business – Fred Zeferjohn reported the Nominating Committee had contacted all the current officers and they are all willing to serve another year.

Old Business – Millie announced there are still some T-shirts left 1 large and 3 extra-large, we also have patches & pins available.

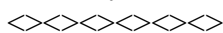
Committee reports:

Junior Rockhounds – Leslie has badges to present to 6 Juniors. The next class is November 3, Gemstone Legends & Lore. This month's field trip is to Hamm Quarry at noon. Webmaster Jason reports we have 32 likes on the Jr Rockhound Facebook page and 150 likes on the TGMS Facebook pages. The RMFMS contest has started and judging begins December 3rd, he will take any suggestions offered to improve our website. AFMS – Cinda, nothing to report. Historian Deborah needs to have the cab of the month emailed to her and she is still sorting out newsletters. Show – Harold & Dave report the show was very successful, we had more in attendance this year than the previous year. The dealers were all happy and want to come back. Publicity gathered sponsors and got the billboards. We will have a combined Show and Board meeting November 9th. The Rockhound area was great. If anyone has suggestions, pro or con, please let us know. One suggestion was that we had some security camera's. Are there any demo-dealers that you want back or any suggestions for next year? We have the 2nd weekend for the next 5 years secured for our show. During the 2 days of the show Jason put out updates to Facebook. Classes – Dave says the last class this fall will be the week before Thanksgiving. He may be ordering items in about a week. Currently they are working on casting.

With no further business, we adjourned to our program: DVD on Gems & Minerals in Our Lives.

Fred Zeferjohn announced the Cab of the Month contest winners are: Member Cab TIE- Dave Dillon, Tiger Eye & Picture Jasper Member Jewelry another TIE, Millie Mowry bead wrapped Sodalite, Dave Dillon Sterling Opal Ring, Class Cab – Ian Schulz Tiger Eye and Class Jewelry Ian Schulz Wire Wrapped Agate.

Respectfully submitted by Cinda Kunkler, Secretary

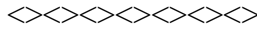




***Remember Your Dues For 2017
are due by December 31st 2016.***

*You can mail your dues to: JGMS Treasurer, 1934
SW 30th St., Topeka, KS 66611*

Millie Mowry, Treasurer



BASANITE

By Virg Arnold

Touchstone, Lydian Stone or Basanite are all names for a, velvet black jasper. This stone was used as early as 450 B.C. by ancient jewelers and goldsmiths on account of its hardness and uniformity of its texture and color as a streak tablet for determining the relative amounts of baser metal and pure gold in alloys. The sample is rubbed on the stone and the color is then compared with a series of standards of known compositions.

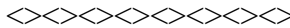


Picture from wikipedia.org

The expert is able quite accurately to determine the fineness of the sample, the streak becoming redder as the percentage of copper increases or yellower as the percentage of gold increases.

Today's use – for backing opal doublets and triplets, to make color more brilliant and stone more durable. It can also be used as is, in jewelry, as a cabochon, as it will take a high polish.

(a reprint from the Drifter April 1986)



SAGENITE

by J. Art Risher, Boeing Club

The term "sagenite" is used very casually by those of us who have been rockhounds for many years. To the beginner in the hobby, however, it presents one more confusing term. The word itself is derived from the Greek word *meaning* "net" or "net like". That aptly describes the appearance of the mass of intertwined crystals which are at right angles to one another.

When these crystals appear in crystalline quartz they are usually named for the included material - for *instance*, if rutile is present, we have rutilated quartz.

Quartz is nearly always the last mineral to crystallize or separate during the process of solidification of a rock magma. It thus may include within its crystals all the other minerals which have crystallized previously or at the same time. These may be tourmaline, epidote, actinolite, goethite, or others of the 40 different substances discovered by mineralogists to be included in quartz.

The number of hair-like crystals noted in a single quartz crystal varies from a few isolated long crystals to a multitude of short ones, often much crowded together. These elongated crystals have been described by English as "stretched out" crystals or freak crystals. In reality, the formation is a *pile* of cubes, one on top of the other.

Sagenite inclusions in agate are similar to those noted in quartz. Many of the finest specimens are those with fibrous hydrous silicates and zeolites. The delicate acicular growth is believed to be formed first then later a change of solutions entering the cavity, a filling of chalcedony was deposited around the first mineral growth.

Cinnabar, stibnite, pyrite, marcasite, native gold, actinolite and asbestos have been identified as the inclusions. The needles may not be another mineral but an open duct or "air tube". Some of these were once filled with mineral matter which has been removed by surrounding percolating solutions.

Some of the needle-like inclusions resemble deer hair or straw and these are called "deer-hair" or "straw agate". Years ago amateurs felt that organic matter was petrified and so these "deer-hair" agates were naturally taken to be a piece of ancient deer hide. Organic matter as carbon, has been identified as filling of the ducts by Dr. Esper Larson. Possibly some of the black areas in "cloud" agates are a colloidal form of carbon.

(in Boeing Newsletter, via Rocky Trails, via OREGON ROCKHOUND 1/87; reprinted from Drifter 4/1997)



Picture from: <http://www.oakrocks.net/sagenite-agate/>

CLUB DUES ARE DUE BY DECEMBER 31, 2016!
IF YOU ARE IN QUESTION ABOUT YOUR DUES---CONTACT ME AT
Rock2plate@aol.com or 267-2849