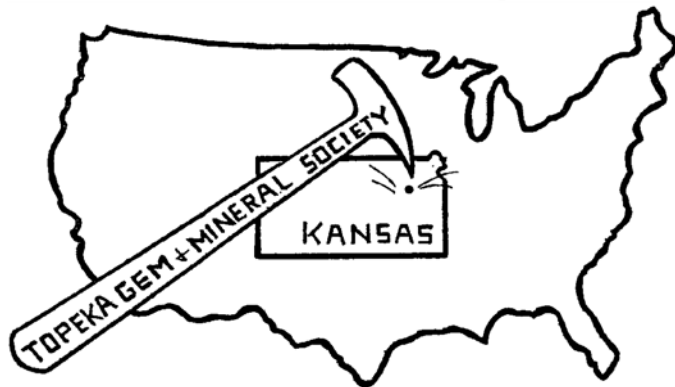


# THE GLACIAL DRIFTER



[www.topekagemandmineral.org](http://www.topekagemandmineral.org)

Facebook: Topeka Gem and Mineral Society Field Trips



The Glacial Drifter, Vol. 55, No. 9, October 2012  
 The Topeka Gem & Mineral Society, Inc.  
 Organized December 3, 1948

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

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; (4) to encourage greater public interest and education in gems and minerals, cooperating with the established institutions in such matters.

Meetings: 4<sup>th</sup> Friday of each month, except December, unless notified of a change, September – May, 7:30 pm, Stoffer Science Hall, Room 138, Washburn University. Picnic meetings held during summer months, June – August.

Dues: Individual, \$15.00; Husband and wife, \$20.00; Junior (under 18 years of age), \$5.00. Dues are due in December for the coming year; they are delinquent after the January meeting. Send dues to Millie Mowry, Treasurer 1934 SW 30<sup>th</sup> St., Topeka, KS 66611.

## 2012 OFFICERS AND CHAIRS

President	Mike Cote`	220-3272	Cab the Month	Debra Franz/Fred Zeferjohn	862-8876
1 <sup>st</sup> Vice Pres.	Dave Dillon	272-7804	Field Trip Coordinator	Larry Henderson	272-8444
2 <sup>nd</sup> Vic Pres.	Carolyn Brady	233-8305	Publicity	Christy Bien	608-1890
Secretary	Cinda Kunkler	286-1790	Welcome/Registration	Debra Franz	862-8876
Treasurer	Millie Mowry	267-2849	Property	M. Cote`/D. Dillon	220-3272
Directors	Jim Mowry	267-2849	AFMS Scholarship	Louellen Montgomery	354-1290
	Clyde Burton	478-4778	Editor/Exchange Editor	Millie Mowry	267-2849
	George Reed	836-9277	Show Chairman	Harold Merrifield	286-3548
Historian	Freda Tabor	273-0691	Show Dealer Chrm.	Dave Dillon	272-7804
Federation Rep	Harold Merrifield	286-3548	Show Secretary	Cinda Kunkler	286-1790
Corporation Agent	Millie Mowry	267-2849			
Librarian	Jim & Millie Mowry	267-2849			

Area Code for all numbers is 785.

Meeting of the Topeka Gem and Mineral Society  
September 28, 2012

Mike Cote' called the meeting to order.

There are 22 members and 7 guests present. Guests were introduced and door prizes were awarded.

Millie Mowry made a motion to accept the minutes of our last meeting as printed in The Drifter and Harold Merrifield 2nd, motion carried.

Millie Mowry gave the treasurers report. Cinda Kunkler motioned and Chuck Curtis 2nd to accept the report, motion carried. No bills were presented.

No correspondence.

Committee reports:

Harold Merrifield: Show sign up sheets needing volunteers to sign up.

Millie: We have the new signs this year for dealers, no pins or tape should be used when placing them. All dealers are secured for the show. Be there Friday at 8 to help with set up and bring rocks for the pebble pile.

Will Gilliland: Washburn has set up new displays in the lobby of rocks & minerals.

Larry Henderson: we will have a field trip this Saturday, going to hunt for meteorites near Admire.

We had Ian & Robert sign up for Future Rockhounds of America.

With no further business Harold moved and Chuck, 2nd to adjourn to our program. The program this evening is our Silent Auction.

Fred Zeferjohn announced the winners of the Cab of The Month:

Member Cab: Mike Cote - Jasper

Jewelry winner: Mike Cote - Turquoise Bracelet

Class Cab: Cinda Kunkler - Chrysocolla

Class Jewelry: Debbie Scanland - Geode/Amethyst Necklace

Respectfully submitted by Cinda Kunkler, Secretary

## LESSONS

Classes are now being held at Mike Cote house. His mailing address is 4910 Clark Rd. Meriden, Kansas 66512. He has a large Morton building that we are using. It is still on Tuesday night from 6-9. Do a map quest to get driving directions or call Mike at 220-3272.

Dave Dillon, [davidd5124@aol.com](mailto:davidd5124@aol.com)

Mike Cote`, [mcote35@yahoo.com](mailto:mcote35@yahoo.com)

### \*\*\* Attention Members \*\*\*

**To save some money we are going to start sending out the Drifter by email. To be sure you receive yours....make sure we have the correct email address. If you do not receive your copy.....or can not open it...contact Millie at [rock2plate@aol.com](mailto:rock2plate@aol.com) or you can also go to the website to get a copy.**

[www.topekagemandmineral.org](http://www.topekagemandmineral.org)

### TLC Report

Way To Go! Debra Frantz is on the go, making the September general meeting and coming to work the show. What a recovery!

Don Anderson was at the show also and was recovering from surgery.

## New Members

Make welcome our new members who joined at the show.

Mike & Barbara Renfro, Sr.  
Kenneth & Carolyn Steenrod  
Janet Lowther  
Steve & \*Staci Lambrecht (\*Jr. Member)  
Marcia & \*Marisa Hooper (\*Jr. Member)  
Pam Mortensen  
Jack & Kathy Lousch  
Ana & \*Kristen Maas (\*Jr. Member)

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## Cleaning Jewelry with Liquid Cleaners

(This information was from the web site of Fire Mountain Gems, to be used for educational purposes. Instructions by Tom Triplett, Content Development Manager.)

### **Empire's Instant Tarnish Remover**

Instant tarnish remover is an acid-based cleaner. Create a hook from a spare piece of sterling silver wire to use for picking up the jewelry to be dipped.

1. Remove the lid from the jar.
2. pick up the jewelry piece with the hook
3. Dip the jewelry piece directly into the cleaner solution all the way in.
4. Dip 2 times.
5. Rinse the piece under running water, or in a bowl of clean water.
6. Dry the beads as soon as possible. Do not store away until the are completely dry.

### **Jewel Brite™ Cleaner**

Jewel Brite is an organic cleaner and is safe for cleaning anything, including porous stones.

1. Open the jar of cleaner.
2. Drop the piece of jewelry to be cleaned into the basket inside the jar.
3. Let the piece soak for a few minutes.
4. Pull the basket out of the cleaner to retrieve the piece being cleaned.
5. Use the brush that comes with the cleaner to get dirt out of crevices and from behind stones.
6. Rinse the piece with running water, and dry completely.

### **ODX Degreaser**

ODX Degreaser is basically a de-greaser: Good for removing dirt, grease and finger prints.

1. Remove the cap from the spray.
2. Spray ODX directly on the items that are to be cleaned.
3. Let set for a couple of minutes.
4. Pat dry with clean soft cloth.

## Dates to Remember



**Date Change** for the November Meeting at Stoffer Science Hall. It will be **NOVEMBER 16<sup>th</sup>** instead of the 23<sup>rd</sup> because of Thanksgiving.



## Field Trips

Trips dates are tentative and subject to additions and change. Call or e-mail Larry if you have an interest in any of these trips 272-8444 or [LHenderson85@gmail.com](mailto:LHenderson85@gmail.com) We meet at McDonalds, 11<sup>th</sup> and Kansas Ave.

### Introducing:

**Tuesday night coffee, first and third Tuesday night, meets at Classic Bean, 7:00 p.m. We will discuss fossils and other collections. Come with show and tell. October 16, 7:00 p.m. Coffee at Classic Bean, Fairlawn Plaza. Come see the *Ctenacanthus amblyxiphias* shak spine found at the last field trip to Admire.**

**October 20, NC Kansas Rock Swap-Riley, Kansas 8:30 a.m. McDonalds Leave at 9:00 We will car pool to Riley, Kansas for the rock swap and a tour of the museum there. It is about two hours away.**

**October 26 Regular TGMS Meeting at Stoffer Science Hall, Rm. 138 at 7:30 p.m. The program will be presented by Alex Hedgepath, our recipient of the TGMS Scholarship at Kansas State University.**

**October 26-28 Fossil Mania, Glen Rose, Texas Show with dealers and exhibits. Glen Rose is also home of dinosaur tracks. One track site is behind the Comfort Inn Motel.**

**November 3 K C Gem mineral, and Jewelry Show 8:30 a.m. McDonalds Leave at 9:00 We will car pool to Kansas City Expo Center near KC International Airport for the fall Integrity Jewelry show.**

**November 6, 7:00 p.m. Coffee at Classic Bean, Fairlawn Plaza.**

**Anyone interested in a trip to South Dakota, for Fairburn Agate, with a stop at Ashfall Fossil Beds Nebraska State Historical Park, contact me.**

Call or e-mail Larry if you have an interest in any of these trips, 272-8444 [LHenderson85@gmail.com](mailto:LHenderson85@gmail.com)  
Larry Henderson, Field Trip Chairman

## **Kids under 18 years of age Sign up for the Topeka Gem & Mineral Society Junior Rockhounds Earn Badges**

By signing up, you are also a member of the Future Rockhounds of America sponsored by the American Federation of Mineralogical Societies.

The only requirement for kids to obtain FRA membership is to be a member of Topeka Gem and Mineral Society, or any regional federation club with an AFMS affiliation. There are no dues to pay to AFMS.

Free badges can be earned in 20 different areas: Rocks & Minerals, Earth Resources, Fossils, Lapidary Arts, Collecting, Showmanship, Communication, Field Trips, Leadership, Earth Processes, Earth in Space, Gold Panning & Prospecting, Gemstone Lore & Legend, Stone Age Tools & Art, Rocking on the Computer, The World in Miniature, Special Effects, Fluorescent Minerals, Reaching Across Generations, and Maps.

There are 118 activities to choose from, or about a half dozen activities per badge, with kids required to complete only 3 activities to earn any particular badge. Contact your Junior Rockhound Coordinator for classes and check off lists in each of these areas. It is planned to have a webpage with the classes posted also.

A 223-page guidebook that describes and outlines requirements for each of the 20 badges is available online through the AFMS link on the Topeka Gem & Mineral Society webpage.  
<http://www.topekagemandmineral.org/membership.html>

Those earning 6 of the 20 badges earn a "Rockhound" badge and those earning all 20 badges receive an AFMS cloisonné pin and become "Rock Stars" as a mark of accomplishment and distinction.

Larry Henderson  
Junior Rockhound Coordinator  
[LHenderson85@gmail.com](mailto:LHenderson85@gmail.com)  
785 272-8444

**Volunteers are needed** for the new Junior Rockhound program. If you are interested in helping, teaching, or leading, contact Larry Henderson.

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We need your **BEST CHOICE** UPC Labels --- Bring them to the monthly meeting.



## Show Report

I thought that the show went very well. Thanks to everyone that helped out on Friday and Sunday with setting up the show and taking it down. The dealers that I talked with were very happy with our attendance and the show overall. I was very busy talking with the public and I know that we gain a few new members again this year. I was told that the kids loved Larry's area and the 4-H projects.

See you all at the next regular meeting!! Dave

The Show Committee wants to thank everyone who took the time to help set up the display cases, and put the table covering on all the tables, then helping take down everything on Sunday. We had lots of help and the work was done in record time. We especially want to thank Daniel Bontempo for donating the big box of slabs and rocks for the Silent Auction, then helping identifying them for the people. We had new members that volunteered to help man a booth and they had such a wonderful time that they came back the next day to help again. Way to go!! Dave and Mike furnished the door prizes this year, thank you very much. The committee appreciates all who helped make the 56<sup>th</sup> TGMS Show a success. Thank you.

### Answers to Fossil Crossword Puzzle

#### Across

- 2. Petrified
- 3. Trilobite
- 7. Ammonite
- 8. Crinoid

#### Down

- 1. Limestone
- 4. Fossilized shell
- 5. Shale
- 6. Gastropod

## ELECTION OF OFFICERS

For the up-coming year of 2013, the Nominating Committee will be asking for volunteers to be an Officer of the Topeka Gem & Mineral Society. Elections will be held in November, taking office on December, 2012. There will also be appointed chair-persons positions to fill.

If there is an office you think you would like to have or assist with, for the next year please volunteer.

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Stay tuned for the location and time of our Christmas Dinner and installation of new officers!



## HISTORY OF METALLIC MINING IN WISCONSIN - ZINC MINING

by Bear Devitt

At the same time that lead mining was on the decline in Wisconsin, interest in zinc was on the rise. Zinc ores ( $ZnS$  and  $ZnCO_3$ ) had originally been encountered while lead mining, but the sphalerite and smithsonite (dry bone) were seen as a nuisance and cast off as waste. Zinc was generally found deeper than lead, usually below the water table, and mining costs out-weighed its worth. Zinc ores also required a much more complicated and expensive refining process than lead. Years later, it was discovered that these by-products of lead mining were very rich in metallic zinc. A market capable of supporting zinc mining in Wisconsin appeared when a new refining process was developed (1860\*s) and smelters opened in LaSalle, Illinois and Mineral Point, Wisconsin.

During the early zinc mining era (1850s-1860s), only the topmost layers, the carbonate ores, could be mined. A common method was to buy up old lead mines, clean out castoff zinc, and then mine deeper for more. The Platteville Lead & Zinc Company, later known as the Enterprise, became one of the foremost mines in the region through this technique. The Vinegar Hill Zinc Company followed the same course. The Merry Christmas Mine (Mineral Point), the Eagle-Pitcher Mine (Shullsburg), and many other smaller mines were also in operation. By the 1870\*s, Wisconsin zinc production far exceeded that of lead. In role reversal, lead became the by-product of zinc mining. In 1891, Mineral Point Zinc Company (later the New Jersey Zinc Co) had the largest zinc oxide and sulfuric acid facility in the U.S. The Mineral Point Railroad was built specifically to haul iron ore from mine to processing.

Higher zinc prices by 1900 allowed for deeper and more sophisticated mining techniques. Machines replaced hand labor, and engines replaced horses to drive the pumps. Mills were built to crush and separate ore. The 1st zinc ore roaster was built at the Enterprise in Platteville. A separation plant was built by American Zinc, Lead and Smelting Company (Platteville), also in 1907, but was destroyed by fire in 1911 and never rebuilt. Over time, improvements in refining process required a higher grade of ore than many Wisconsin mines could provide. Wisconsin\*s zinc production peaked in 1917, when over 59,000 tons of ore were mined. Zinc mining slowly tapered off through the 1930\*s. Wisconsin\*s last zinc mine, the Eagle-Pitcher Mine in Shullsburg, closed in 1979.

from THE TRILOBITE Dec 08, via Stoney Stmtts Jan 09

Zinc (pronounced /z..k/, from German: Zink) is a metallic chemical element with the symbol Zn and atomic number 30. Although zinc was used in the copper-zinc alloy brass since Roman times, and the metal was produced in large scale in India around 1200 AD, the pure metal was unknown to Europe until the end of the 16th century. Industrial-scale production in Europe had not started until the late 18th century. Corrosion-resistant zinc plating of steel is the major application for zinc. Other applications are in batteries and alloys, such as brass. Sphalerite, a zinc sulfide, is the most important zinc ore. Zinc production includes roasting, leaching and, at the end, pyrometallurgic winning or electrowinning.

Source: Stoney Stmtts, Jan 09



Picture of Zinc from Wikipedia, the free encyclopedia

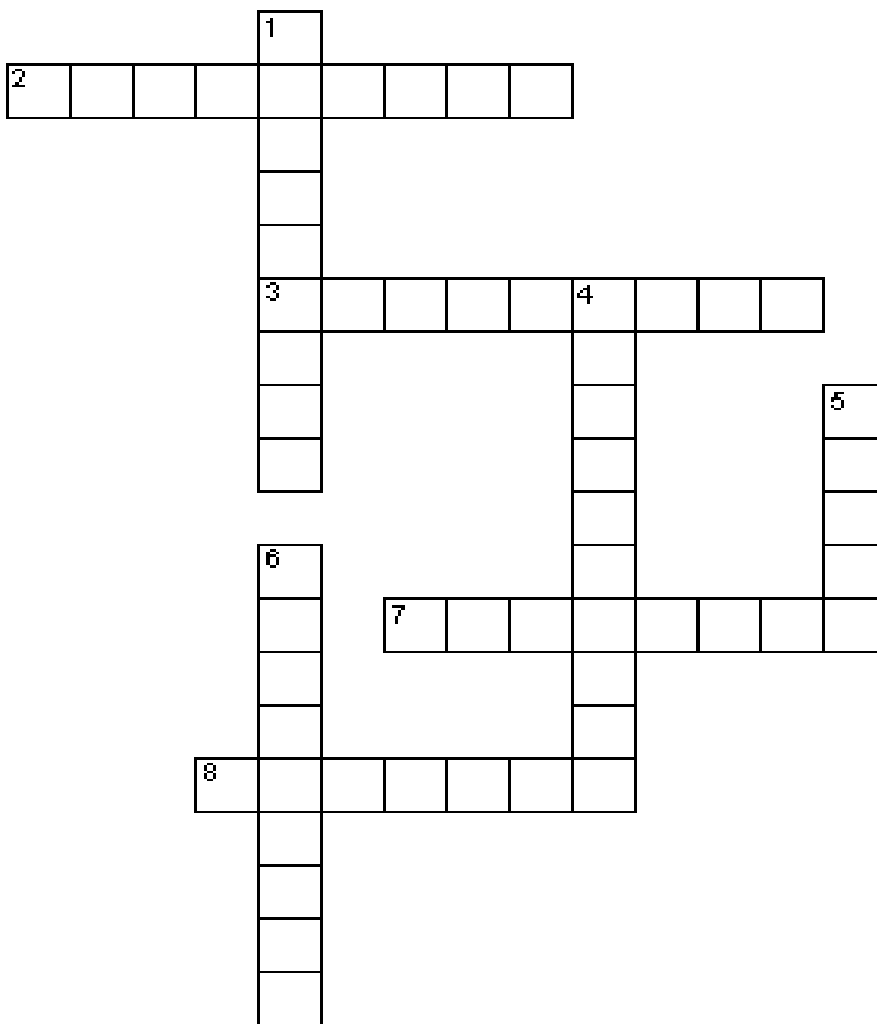
# JUNIOR PAGE

## Paleontological Trading Cards

To get your trading cards print pages on card stock or on photo paper that has no printing on the back side. Trading Cards can also be downloaded from the Junior page at <http://wgmsks.org>.

(Editor's note: There is a new set of cards this month.) Source: Quarry Quips, Oct. 2012

### Fossil Crossword



#### ACROSS

- 2. When creatures are fossilized
- 3. A fossilized relative of the horseshoe crab
- 7. A fossilized snail
- 8. Commonly called "sea lilies"

#### DOWN

- 1. Rock the creatures often fossilize in
- 4. Fossilized shell
- 5. Black rock that creatures fossilize in
- 6. Fossilized sea snail