

Gems

GEMS

FEBRUARY 2012

KALAMAZOO GEOLOGICAL
AND MINERAL SOCIETY

President's Message

Howdy KGMS!

I hope everyone had a great holiday! Now that the holiday is over, it is time for the big push to get ready for our show.

Mark your calendars for May 3 to 6. Activities begin May 3 with set-up, May 4 is Kid's Day (well over 1,000 expected again this year), then we are open to the public the evening of May 4 through May 6. Obviously the show is followed by tear down and cleanup after 5:00 pm on Sunday May 6. A great deal of work goes into preparation and obviously the actual completion of the show. Please contact June Downing with your schedule for when you can work at the show; we need everyone to pitch in to make the show a success. If you do not volunteer, I am sure that someone will be contacting you to see when you are avail-

able. We do not expect everyone to work every minute of the show. Any time that you have available will be greatly appreciated.

Please remember that KGMS is a not for profit organization whose mission to educate members and the public about the geological sciences and lapidary arts. With that in mind our funding raising campaign is underway. We have a letter requesting solicitation of funds prepared for submittal to potential donors. A copy of the letter will be available at each of our club meetings. If you would like a copy before our meeting or during times between meetings please contact Kate Dutrow or me. Again, we need help from everyone, if each club member solicited at least one donation it would be a great contribution to our club.



Sherri, Allison, and Jerry are working on putting together a Michigan Mineral collection for display at the show. They are looking for mineral specimens for loan to include in the display. If you have a specimen or specimens you would like to loan for use in this display, please contact them. Plans are to have the display layout completed by March.

Rock On!

Bill Mitchell

KGMS President

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Next Meeting

The presentation for our February meeting will be focusing on the mineral rhodocrosite. The bright pink manganese carbonate mineral stands out in any collection. Included in the presentation will be a discussion of the Sweet Home mine in Colorado,

which is a classic specimen location for rhodocrosite. Please join us for this intriguing evening. As always, refreshments and great company will be provided.

Our next club meeting is Tuesday, February 7th at the Portage Senior Center. Social time starts at 6:30pm and the meeting starts at 7:00pm.

*“Mark your
calendars for May
3 to 6!”*

Attention Junior Members

Attention Junior Members:

It's that time again to start working on this year's project for the show. Our Theme is **Michigan Mining**. We are going to make a diorama again. The size will again be a Copy paper box. All sides that can be seen must be covered (painted, decorated or something). You may use the top or the bottom. Your name **can not** be on it.

The community will be our judges and we will have at least 2 age categories this year.

First choose a mineral found in Michigan. Then find out what the mineral is used for and how it is mined or collected. Now you are ready to start creating. The diorama should tell or show the mineral, how it is collected and how it is used.



Include a note card that includes the following: (I will have cards you can use)

Mineral Name

Where in Michigan it is found

What used for

Your age

Any questions, please contact Sherri Crum 716-3626

Hope to see all Kids at the Next meeting- Remember we are working on our badges. Several kids have completed some already. Join us for some fun.

Contacts and Information

President

Bill Mitchell
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Vice President

Elizabeth Schau
269-344-7198

Secretary

**Show Committee Chair-
person**

Field Trip Coordinator

June Downing
269-628-4743

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Kate Dutrow/Chet Parrow
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Dawn Coeur
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Education Committee Chairperson

Sherri Crum
269-383-3731

Club Dues

Due by December 31st

Family \$15.00/year

Single \$13.50/year

Student \$8.00/year

Senior/Couple \$13.50/
year

Senior/Single \$10.00/year

Meetings

First Tuesday each month
except for January, July and
August

Work bees/Picnic Dates
TBA in July and August

Location

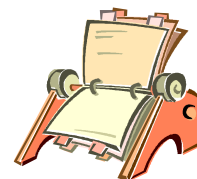
Portage Senior Center
Portage, MI

Annual Show

Weekend before Mother's
Day at the Kalamazoo
County Expo Center ,
Kalamazoo, MI



*Our Purpose: To
further interest and
education in gems,
minerals, geology,
paleontology and
lapidary*



We want to hear
from you!

Show News

Needed: Michigan minerals for a Club Case for the show's children's area. Specimens will be returned after the show!

Below is a list of 49 Michigan minerals that work in a display case. You are **not** restricted to this list but the minerals must be from Michigan; minerals should be around 2 inches to fist size. **Bring specimens to Sherri Crum or Jerry VanNocker by the March club meeting.** Each specimen should be identified and have location info. Also include your name and a contact phone number or e-mail with your minerals.

Minerals in bold have already been pledged.

Algodonite	Copper	Halite	Sphalerite
Analcime	Cuprite	Hematite	Strontianite
Anhydrite	Datolite	Magnetite	Tenorite
Annabergite	Diopside	Marcasite	Thomsonite
Apatite	Dolomite	Neotocite	Manganite
Barite	Domeykite	Nickeline	Antigorite
Baryte	Felspar	Prehnite	Mica
Beryl	Fluorite	Pumpellyite (Greenstone)	
Calcite	Galena	Pyrite	
Celestine	Garnet	Pyrolusite	
Chalcocite	Graphite	Quartz	
Chalcopyrite	Grunerite	Tourmaline/Schorl	
Chamosite	Goethite	Silver	
Clinochlore	Gypsum	Sulphur	

We will try to use as many loaned specimens as possible, from as many members as possible, but we are limited by the space in the cabinet. We anticipate using around 24 specimens.

Note: Loaned specimens must be picked up at the end of the Gem and Mineral Show, at the next (after show) club meeting or by calling 260-979-3348 to make other arrangements for return.

Midwest Federation Shows

12: LINCOLN, NE, Geology Day, Lincoln Gem & Mineral Club, Nature Center, Pioneer Park, Coddington & W Van Dorn, 1:00-4:00 PM, Contact: Lincoln Gem & Mineral Club, Inc, PO Box 5342, Lincoln, NE 68505, jna@inetnebr.com, www.lincolngemmineralclub.org

25-26: ROSEVILLE, MN, Pre-Spring Show, Anoka County Gem & Mineral Club, Har Mar Mall, 2100 Snelling, Sat 10:00-6:00, Sun Noon-5:00, Contact Martha Miss, 8445 Grange Blvd, Cottage Grove, MN, 55016, (651) 459-0343, info@rock-biz.biz

KALAMAZOO GEOLOGICAL AND MINERAL SOCIETY

Affiliated with the Midwest Federation and
American Federation of Mineral Societies



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Video Links

These are short videos done by Vítězslav Snášel on Cacozenite and agates. Vítězslav has done some rather amazing mineral photography which he has made available on YouTube.

Agate video <http://www.youtube.com/watch?v=iQbfKjzKKQc>

Cacozenite video <http://www.youtube.com/watch?v=9ZCNvQ96fls>

From Wikipedia -- Cacozenite is an iron aluminium phosphate mineral with formula: $\text{Fe}_3+24\text{Al}(\text{PO}_4)17\text{O}_6(\text{OH})12\cdot17(\text{H}_2\text{O})$. [2] It is associated with iron ores. The name comes from the Greek *κακός* for "bad" or "evil" and *ξένος* for "guest" because the phosphorus content of cacozenite lessens the quality of iron smelted from ore containing it. It was first described in 1825 for an occurrence in the Hrbek Mine, Bohemia, Czech Republic. [2] It occurs as a secondary phase in oxidized magnetite and limonite deposits. It also occurs in novaculites and in iron and phosphorus rich sediments. [2]

Thank you to Jerry VanNocker for passing this on to me!