



## **NOVEMBER 2019 MONTHLY BULLETIN**

A non-profit group founded in March 1956, organized to educate the general public and members' knowledge of Mineralogy, Gems, Jewelry Making, Fossils and related earth sciences.

**MEETINGS:** The meetings are the first Tuesday of each month except June, July, August and December. The Clubs annual holiday party is in December and the annual picnic is in June which includes a silent auction. Visitors are always welcome.

The meetings are at the Indian Creek Community Church, 12480 Black Bob Road in Olathe, Kansas. We meet downstairs in room **023** which is located at the bottom of the staircase. 6:30 to 7 PM is not structured, as member's fellowship and have a raffle. At the end of the raffle anyone who purchased tickets - and did not win anything - can go take one item from the table. The meeting starts at 7 PM followed by the guest speaker. Information is available at our website: [olathegemclub.com](http://olathegemclub.com).

**DUES:** \$10.00 per year for individuals / \$5.00 per year for minors / children under the age of 12 are free.  
(Due by May meeting, and delinquent by September meeting)

### **OFFICERS and CHAIRPERSONS 2019 – 2020:**

President: Norman Onnen (816)645-1333

Vice President: Lisa Hulbert (913)223-1028

Secretary: Marsha Duby (816)588-1118

Treasurer: Barbara Crompton (913)492-6783

Website and Editor: Dan McDaniel (913)963-5357

Membership Chairman: M John Robinson (913)669-8284

Field Trip Coordinator: Leslie Hartman (785)380-6016;

Field Trip Assistant: Larry Wells (913)787-5138

Programs: Lisa Hulbert, VP

Librarian and Historian: Norman Onnen (816)645-1333

Gem Show Chairman: Norman Onnen

Raffle: Lisa Hulbert

Association Delegates: Norman Onnen & Larry Wells

Alternate Assoc. Delegate: Chet McLaughlin and Deb Bryant

### **PRESIDENTS MESSAGE:**

Welcome to a new year in the life of the Olathe Gem and Mineral Society. While our annual election occurs in May, the club new year realistically begins after the summer break with the installation of the incoming officers at the Sept. club meeting. Thank you to retiring officers Deb Bryant (President), Tammy Shaw (Vice President) and Vicky Ritter (Secretary) for their service and direction this past club year. We continue to be a vibrant growing club presently with over 60 members of very broad interests and levels of expertise in gem, mineral and fossil fields.

### **GENERAL MEETING ROOM CHANGE:**

Please note that our General Meetings at Indian Creek Community Church have moved from room 018 to room 023 for November.

### **GENERAL MEETING LOCATION:**

GOOD NEWS: We will continue to meet at Indian Creek Community Church in 2020 and look forward to maintaining this agreement. To that end, please help us observe church closure hours by making sure we clean and re-arrange the space(s) we use and exit the building by 9pm each evening. Thank you for your suggestions and consideration as we researched other potential meeting locations.

### **OCTOBER THANKS:**

At our Oct. club meeting we were again fortunate to be recipients of a presentation by Tom Tivol, this time concerning his recent design and marketing of very fine and unique jewelry pieces. His broad knowledge and experience related to design, fabrication of jewelry, and the use of gemstone(s) is truly insightful. He has offered/suggested willingness to give additional presentations, and we hope to have this occur in the near future. Thank you once more Tom. We always look forward to your excellent programs.

### **MOZARKITE FIELD TRIP:**

With the cool/cold weather passing through the area this past weekend (seems very early this year) we look forward to a great fall collecting trip for Mozarkite on Sat., Oct. 19. Thanks to M. John Robinson for once again organizing this opportunity to a private site near Cole Camp, MO. The weather forecast appears to indicate the temperature approaching 70 degrees and “plenty of sunshine”. The good news is that the cold snap seems to have diminished the mosquito population, and hopefully the ticks and chiggers also.

### **GEODE FEST:**

Last month I exhibited several geodes from the Geode Fest event that is held near Keokuk, Iowa (actually it centers in Hamilton, IL and offers sites in MO, IA and IL over a three day period each year). While the geodes from this area are sedimentary geodes, most are typically of a chalcedony rind with quartz crystals extending inward. They also often contain calcite, barite, dolomite, pyrite and kaolinite; and less commonly goethite, millerite, ankerite, sphalerite, celestine, amethyst and petroleum. These are all from the Keokuk and Warsaw formations, and there are experienced individuals who can identify the location these come from just by their appearance, shell thickness, size, contents, etc. Next month I will exhibit several igneous geodes from my collection. If any have geodes they would like to exhibit, please bring them for us to compare.

### **BULLETIN:**

Let's help Dan McDaniel! Dan is doing an excellent service putting out our Bulletin each month. Understanding that our many members have broad interests and knowledge related to rocks, minerals, fossils, jewelry and earth sciences we are looking for, and eagerly welcome, submissions of write ups/articles about your designs, field trips, collections, etc. that interest other members. Don't be shy. Let us hear from you. Significant pieces may (with your permission) be submitted to the Rocky Mountain Federation which annually supports a contest for member clubs in several categories of interest. This would be excellent recognition of your capabilities and interests, and for our club.

### **HOLIDAY PARTY:**

At our Nov. club meeting please sign up for the holiday party if you plan to attend. I need to provide HyVee our numbers a week in advance of our Saturday, Dec. 7 party. Cost for each attendee is again \$5, and the club will pick up the remainder of the catered expense. Gift exchange recommendation is for \$15 value.

### **NOV. 1-3. GEM & MINERAL SHOW:**

Several have signed up for sales tables at the upcoming Nov. 1-3, 2019 gem and mineral show. In return for the use of these tables, Association rules are that 10% of the sales be given to the respective clubs. It is now understood that desired electrical drops will be priced at \$85 (earlier it was believed to be \$70),

and those wishing these drops will need to individually arrange this with the facility staff. At the show, the Association (of which OGMS is a member) will again have a booth. This is being organized and managed by our club member Chet McLaughlin. Please help him by volunteering time and effort at this booth over the three days. All proceeds from this go to the Association scholarship fund.

This show, the 41st annual Shows of Integrity event, is set for Nov. 1-3, 2019 in the KCI Exhibit Hall, 11730 NW Ambassador Drive, Kansas City, MO 64153 [www.showsofintegrity.com](http://www.showsofintegrity.com).

## **VICE PRESIDENTS MESSAGE:**

### **NOVEMBER GENERAL MEETING:**

Larry Wells is sponsoring another “Gold Panning” event. Due to the amount of time required to setup and take down this event, there will not be refreshments served or a raffle. If you want to munch on something, please bring it for yourself. This should be a great time of entertainment and discovery.

### **MEMBERSHIP DUES:**

If you have not paid your \$10 membership dues, please do so as soon as possible.

## **LIBRARY:**

OGMS member Barbara Crompton has donated a packet of materials related to her amethyst collecting trip to Thunder Bay, Canada this summer. As this packet contains multiple documents, flyers and maps (including materials for Moose Lake, MN where Lake Superior agates — many from Topeka, are on display in the state park) they will not be itemized but will be available as the entire packet.

Our club library continues to accept donations of materials and publications, and the listing which can be viewed on the club website is periodically updated to reflect new acquisitions. Suggestions for items of interest that the club might obtain are always welcome for consideration.

Norm Onnen

## **SPRING TENT SALE**

Tammy Shaw is making plans for a spring tent sale. Spaces will be available for a fee for you to sell your gem and mineral related items to members, other clubs, and the public. Stay tuned for details.

## **FIELD TRIPS**

### **October 19<sup>TH</sup> - Mozarkite Trip**

OGMS will have a field trip on October 19<sup>th</sup> to collect Mozarkite. M John has sent out a photo of the route from KC to the location near Cole Camp, MO. to the membership. If you plan on attending, it would be helpful to car pool with others. Prepare to leave the KC area by 6:30 am to arrive at the

collecting site between 8:00 am and 8:30 am. There will not be a charge for a back hoe this trip, but you will need to pay for the rock you collect.

### **Spring 2020**

Norm is pursuing another trip to the Hamm quarry in Louisburg, KS this Spring.

## **NEWS, VIEWS AND REVIEWS**

### **Natural Quasicrystals???**

Paul Steinhardt at Princeton University has doggedly hunted for quasicrystals since he predicted their existence in the early 1980s. Before then, we only knew of two types of solids: crystals, in which every atom is arranged neatly in a repeating lattice, and amorphous solids, which have no such order. Quasicrystals are almost crystals, but they break the rules: their neat patterns never exactly repeat.

The first synthetic quasicrystal was grown in the lab in 1982, and there are now more than 100 types of lab-grown ones. But this is only the third type found in nature – all three from the Khatyrka meteorite from north-eastern Russia since 2009. The approximate composition of the first two had been created in a lab beforehand.

Finding a fresh example in nature allows us to continue writing a recipe for creating new quasicrystals from scratch, says Steinhardt. For one thing, all three seem to require metallic aluminum, which naturally bonds to oxygen except in this meteorite.

The new quasicrystal has a similar molecular structure to the first one, but slightly different chemistry: both are made of aluminum, copper and iron, but in different proportions. Steinhardt and his team had collected samples of the Khatyrka meteorite in 2011, and found the new material in a chip less than half a millimetre across.

“It’s hard to look systematically for these things, because we’re talking about grains which are typically tens, or maybe a few hundred microns, in size, and you have to look through a gigantic meteorite at each little grain that size,” says Steinhardt. “Unless you were completely crazy like we were, you wouldn’t be doing that.”

Steinhardt and his collaborators hope that this discovery will lead to further systematic searches. Now that we know we can find novel quasicrystals in nature; it might be worth the effort.

Read more: <https://www.newscientist.com/article/2115570-third-ever-natural-quasicrystal-found-in-siberian-meteorite/>

## **UPCOMING EVENTS**

**October 26-27** - Oklahoma Mineral and Gem Show

Saturday 9:00 am - 6:00 pm

Sunday 10:00am - 4:00 pm

The Modern Living Bldg.

608 Kiamichi Pl.

Oklahoma State Fair Park

Oklahoma City, OK

**November 1- 3** – KC Gem, Mineral, Jewelry, & Bead Show,

Friday 10:00 am - 6:00 pm

Saturday 10:00 am - 6:00 pm

Sunday 10:00am - 5:00 pm

The KCI Expo

11730 NW Ambassador Dr., KCMO 64153

**December 7** – OGMS Holiday Party

5:30 pm

HyVee, 18101 West 119th St.,

Olathe, KS 66061