

Rocky Reader

<http://www.rockyreader.com>

The Monthly Newsletter of the Toledo Gem and Rockhound Club



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August 2015

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President's Message

I guess I don't have to try to come up with something clever to say about all of the rain. I'm sure many of our members have had to deal with flooded basements and yards. Our family has been lucky for the most part, but TBG took a bit of a hit with the loss of admissions and sales when they had to close the Crosby Festival on Saturday due to the rain. If you are not a member of the Gardens, you may not have seen the recent email that went out stating that they are about \$60,000 in the red due to those losses. If you have ever considered donating to the gardens or becoming a member, they could use a little help right now.

At the July meeting we heard from Ryan Bunch of the Toledo Arts Commission. Ryan is a freelance writer, an editor; he is the Communications and Outreach Coordinator for the Arts Commission. He is a co-founder of Toledo SOUP, and is a board member at the UpTown Association, and the Village on Adams. He is indeed a busy fellow! He talked a little about those organizations, about what the Commission is doing to help rejuvenate downtown, and about how we could get involved. He touched on volunteer needs as well as ways that those of us who sell our work can get into the downtown scene to find new venues for selling. Check out some of the organizations that Ryan represents.

<http://theartscommission.org/programs/programs-overview>

<http://toledosoup.com>

The show is going to be here before we know it. If you have not yet signed up to volunteer you will likely get a call soon to do so. Next month will be the last regular business meeting prior to the show, so come about 15 minutes early if you want to help with some last minute planning.

I'll see you all soon!

Tonia Wallace, President

August Meeting:

In August, Thomas Bridgeman, Associate Professor in the Dept. of Environmental Sciences at the University of Toledo will speak about the *Microcystis* blooms in Lake Erie. 7 pm

August 2015

Show News:

Thank you to all the club members already signed up for this year's show. There is still a need for workers for the children's area.

For the new members of our club: the reason we have this annual show is that it pays for the lease, utilities and what ever else is required for the club.

John Capuano
Show Chairman

The 2015 Hospitality Menu signup sheet is available online now! Please enter the following web page into your browser to access it: <https://goo.gl/PRXpGv>

Once on the page, please add your name to the column on the right if it is blank, for the item you wish to bring.

Please note the day you are signing up for and the meal time! If possible non perishable items can be brought in Thursday morning to get setup accomplished faster. Also delivery of non perishable items to the craft center a week or two before the show is fine, but please LABEL the items so we know who's they are and that they are for the show! Place them on a Metalcrafters table so the they do not get in the way of the Gemcrafters. Then I will bring them over Thursday when we load up the truck. Thanks, Steve

Steve Shimatzki

Upcoming Events

There are a couple of collecting opportunities coming up that will be available to our members. Check out the information below and let Harold know if you're able to make it!

Saturday August 1, 2015
GRAYMONT INC
8:00 AM to 1:00
21880 St. Rt. 163
Genoa, Oh. 43430

Saturday August 8, 2015
10:00 AM to 2:00 PM
Irving Materials Inc.
Pendleton Plant
Pendleton, Indiana

Standard MSHA requirements, ie. safety equipment and rules apply.
To sign up contact Harold Burleson
text or phone
419/704/6662
email hburle@msn.com

Toledo Gem and Rockhound Club Meeting Minutes

Date: July 15, 2015
General Meeting Agenda

A presentation by Ryan Bunch of the Arts Commission, Communications and Outreach Coordinator
Meeting started 7: 45 pm with Pledge of Allegiance

Secretary Report – moved for approval by Amy Shufeldt seconded by Elie Ghanime

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Treasurer Report – Finance Report moved for approval by Steve Shimatzki and seconded by John Kalinoski

New Business

Survey Results / Budget vs Actual YTD Comparison review

Old Business – none reported

Group Reports

Gardens: Please call Nikki at 419-536-5592 to volunteer

Gemcrafters: See Rocky Reader for dates

Faceteers: Contact Elie if you have interest

Metalcrafters: See Rocky Reader for dates

In August, Thomas Bridgeman, Associate Professor in the Department of Environmental Sciences at the University of Toledo will speak about the Microcystis blooms in Lake Erie.

October 17 & 18, 9AM Anodizing Workshop (4 openings)

Beaders: See Rocky Reader for dates

Extreme Beaders: See Rocky Reader for dates

Juniors: no news to report

Sunshine: No news to report

Membership: 22 members and 1 junior

Field Trips:

Saturday August 1 2015 (8:00 - 1:00 ish)

GRAYMONT INC Genoa Oh., 21880 St. Rt. 163

MSHA requirements - ie - safety equipmen

Saturday August 8 2015 (10:00 AM - 2:00 PM)

Irving Materials Inc.

Pendleton Plant Pendleton Indiana

MSHA requirements - ie - safety equipment

Show:

Please volunteer some time for the show. The areas, days and times available can be reviewed at the meeting

Anyone who wants a case for the show needs to email or call Nancy Grove - see the 2015 Directory for contact information.

RockyReader: (Lyn) - Email info to Lyn by Monday following the meeting.

The meeting concluded at 8:40 pm

Respectfully submitted,

Mike Mayers, Secretary



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GROUPS

BEADERS

Monthly Beaders have resumed. Contact Nancy if you are interested..

EXTREME BEADERS

Extreme Beaders continue to meet on the weekly schedule, Tuesdays, 9-5, at the Craft Center. Extreme Beaders attendees should be able to work independently and have their own projects, materials and supplies. New attendees interested in Bead Embroidery should contact Shirley Stieb or Kathy Petersen for a materials list, and to schedule initial instruction, if necessary. Extreme Beaders are often working on Thursday afternoons, during Open Gemcrafter days. If interested in beading or instruction during these times, check with Shirley Stieb or Kathy Petersen to verify that beaders will be working that week.

FACETEERS

Faceteers have regular meetings the 1st and 3rd Tuesdays of the month at the craft center. Please contact Elie if you have questions.

GEMCRAFTERS

If you haven't been to a GemCrafter open cutting session lately now is the time to work on unfinished projects or start new ones. Summer is our slower time of the year with members on vacation and participating in more family outdoor activities. A few are concentrating on building new homes! Fewer attendees during the summer months means more equipment available for you to use. Stop by whether you want to work or simply sit a spell on the outdoor benches and chat with your fellow rockhounds. Every one is welcome.

Your Gem Crafter Moderators

Bonnie Wheeler Natalie Hill Greg Feight Chet King

METALCRAFTERS

CLASSES

The following schedule is a listing of upcoming classes. To enroll, please make a check out to the Toledo Gem and Rockhound Club and send it to Debra Hoffmaster, 950 Michigan Ave, Adrian, MI 49221

October 17&18. 9AM. Anodizing Workshop with Bill Seely. (4 openings) Over the course of two days we will learn the basics of anodizing titanium & niobium with Bill Seely, the founder of Reactive Metals Studio. This workshop is underwritten with proceeds from the Metalcraft auction. Find more details and a registration form in the June, 2015 newsletter.

METALCRAFTER MEETINGS

The Metalcrafters will meet August 2, 13, and 27 . Sunday meetings are from 1:30 - 3:30 and Thursday meetings are from 6:30-8:30.

Ring emphasis for the 2015-2016 metalcraft year. We are going to try something different for the September-April metalcrafter meetings. Each month, we will assist you to make a different ring. September's ring will be a simple addition of a ring shank to the "basic pendant" design. Subsequent months will feature different designs, with the ability to work on the design at any of the four meetings during the month. People who have not completed the basic pendant will be able to substitute the September ring design. People who do not wish to participate may still work independently during the regular meetings .

Participation in this activity is open to anyone who has completed the basic pendant class OR anyone who completes the first (September) ring design. There is no fee for this activity, but participants must supply their own stones and metals. A complete list of the year's projects is available by contacting Deb Hoffmaster (debhoffmaster@gmail.com). Additionally, two preview meetings (to allow participants to create their supply list for ordering purposes) will be held: the first at 6:30PM on Thursday Aug 13 and the second at 1:30PM on Aug

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23 in the craft center. PLEASE pre-register with me for these preview meetings so I may make sufficient numbers of handouts.

Jazz in the Garden - From July 9 to September 10, TBG will be hosting Jazz in the garden on Thursday evenings. Jazz is a paid entry event. During these times, volunteers will limit your access to the service drive parking lot. Usually these volunteers are our own John and Sylvia Capuano, however, no matter who is there, you may gain access for the metalcrafter meetings. Just tell the gate attendant "I'm here for the gem and rockhound metalcrafter meeting."

We are a collaborative group. We expect that members have their own materials and sufficient experience to work independently. If you are new to silver work, please register for the basic pendant class on March 21. If you are new to the group but have previous experience please e-mail me (debhoffmaster@gmail.com) to arrange orientation during a scheduled meeting.

If you are new to the group but have previous experience please e-mail me (debhoffmaster@gmail.com) to arrange orientation during a scheduled meeting .

RockyReader: deadline is Monday after the meeting for all material. Please send any news, changes to classes or announcements to editor@rockyreader.com.

Opportunities for our Artists:

Ryan Bunch from the Arts Commission has sent this in regards to the Third Thursday Art Walk.

"I did want to share with you the link to our site to share with your members if possible. This information about the 3rd Thursday Loop including parking, maps, etc. <http://theartscommission.org/programs/3rd-thursday-loop>

If any of your members are interested in participating, attending or volunteering please feel free to have them get in touch with me. rbunch@theartscommission.org P: (419)254-2787

Thank you again!
Ryan Bunch,

Events From Chetty King's Table:

August 1-3 Ishpeming, Mi, Annual show; Ishpeming Rock and Mineral Club, Ishpeming Elks Club; 597 Lake Shore Dr. ; Sat. 9:30 am-4:30 pm; Admission is Free

August 7-9 Houghton, Mi: Annual show; Copper Country Rock and Mineral Club, Houghton Elementary School; 203 W Jacker Street , (Corner of Bridge and Jackson Streets); Fri. 1:00 pm-8:00 pm, Sat. 10:00 am-6:00 pm, Sun. 11:00 am-3:00 pm; Admission is Free

August Arts in the Garden TBG 11am-5pm Free Admission

August 21-23 South Bend, In Michiana Gem and Mineral Society 52nd annual show St Joseph county fairgrounds, adults \$3.00, students 6-12 \$1.00 FMIsumnu95@hotmail.com or call 574-232-8823

September 11-13 TGRH annual show, Stranahan Great Hall admission, Fri-2-8pm, Sat 10am-6 pm, Sun 11am-5pm. Be there

Bench Tips by Brad Smith Get all 101 of Brad's bench tips in "Bench Tips for Jewelry Making" on Amazon <http://amazon.com/dp/0988285800/>

NEW RELEASE - Broom Casting Book

I'm pleased to announce the publication of "Broom Casting for Creative Jewelry and Metal Work", one of the techniques that puts the fun into metal working. Discover the rush of pouring molten silver into a common straw broom to get marvelous icicle-like shapes that make elegant pendants and earrings. Now available on Amazon at www.amazon.com/dp/0988285835/ or search for "Broom Casting"

TRY A TOOTHPICK

The round, stronger toothpicks have a multitude of uses on the jewelry bench. I use them for mixing epoxy resin, for applying paste solder, and with Zam for polishing in tight spots. Toothpicks are also handy for holding a stone while stone setting. Just break off the sharp tip, mold a little beeswax over it, and press it onto the table of your stone.

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**Thelma Postlewaite's
Family News
August Birthdays:**

4	Richard Vibbard
7	Reana Bardoza Greg Feight
8	Fred Jones
11	Karen Wolkins
12	Jeri Heer
13	Kiera Wolkins Melissa Wolkins
16	Jeffrey Archer
21	Diana Holt
22	Vance Raiti
25	Janet O'Brien
27	Blas Simpson
28	Shirley Stieb Cheryl Thompson

**Don't forget to check your
Driver's License.**

a piece of art by Mother Nature



August 2015

.The Gallery



Jewelry Pieces by Kathy Hotchkiss, Beaders Group



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Junior's Corner
What cause color in gemstones?

Color in gemstones is a huge reason they have value. Clarity (or transparency) is another. For example: a dark red ruby without clarity is pretty but a dark red ruby with clarity is both pretty and valuable. Color is caused by either the way gemstones absorb light or by the presence of certain trace minerals or impurities within the crystal. Different minerals can result in different colors depending upon the crystal's chemical composition. One gemstone, Alexandrite, will show different colors depending upon the source of light. Some gems will show color because more than one trace mineral is present.

The most common trace elements in gemstones are: copper, chromium, beryllium, iron, manganese, sulfur, titanium and vanadium.

Ruby's prized pigeon blood red color is due to the presence of Chromium in the crystal form of corundum. Corundum is the colorless crystal of aluminum oxide. Corundum becomes a ruby when Chromium ions replace some of the aluminum ions within the crystal's molecular structure. Corundum has a hardness value of 9 on the Mohs scale. Diamond by comparison has the highest value of 10.

Sapphire which is also a corundum based crystal is blue when titanium and iron both replace some of the aluminum ions. If only one of the two trace elements are present, the result is a very light to negligible coloring. Both iron and vanadium need to be present to see the vivid and valuable deep blue coloration of a sapphire.

Another colorless crystal that becomes valuable when trace minerals are present is beryl. Beryl is chemically beryllium, aluminum cyclosilicate. When trace minerals replace some of the aluminum ions, several colored gemstones may result. If chromium replaces some of the aluminum ions, an emerald results. If iron replaces some of the aluminum ions, the blue-green aquamarine occurs.

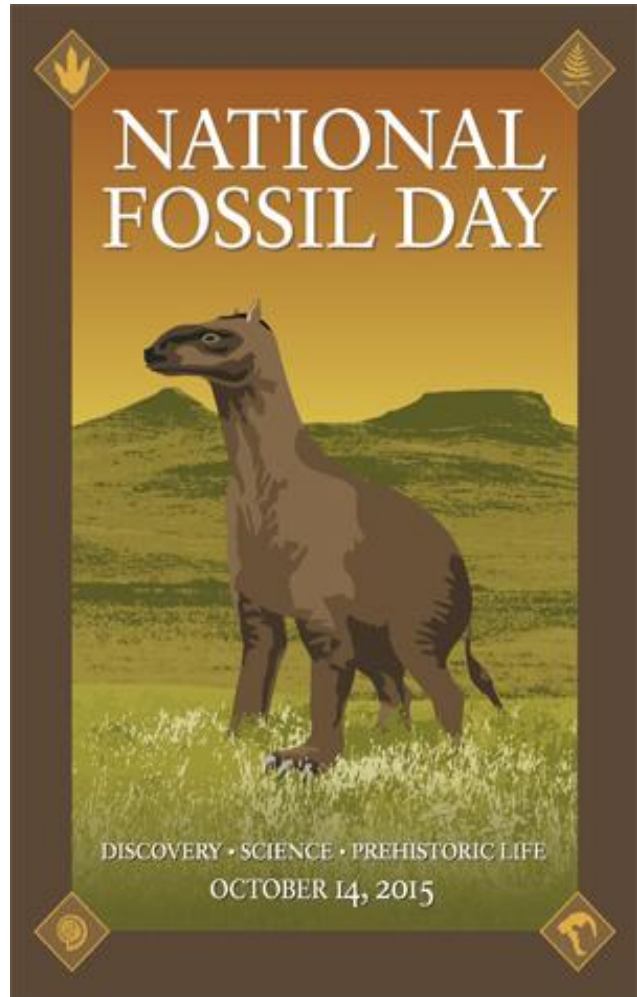
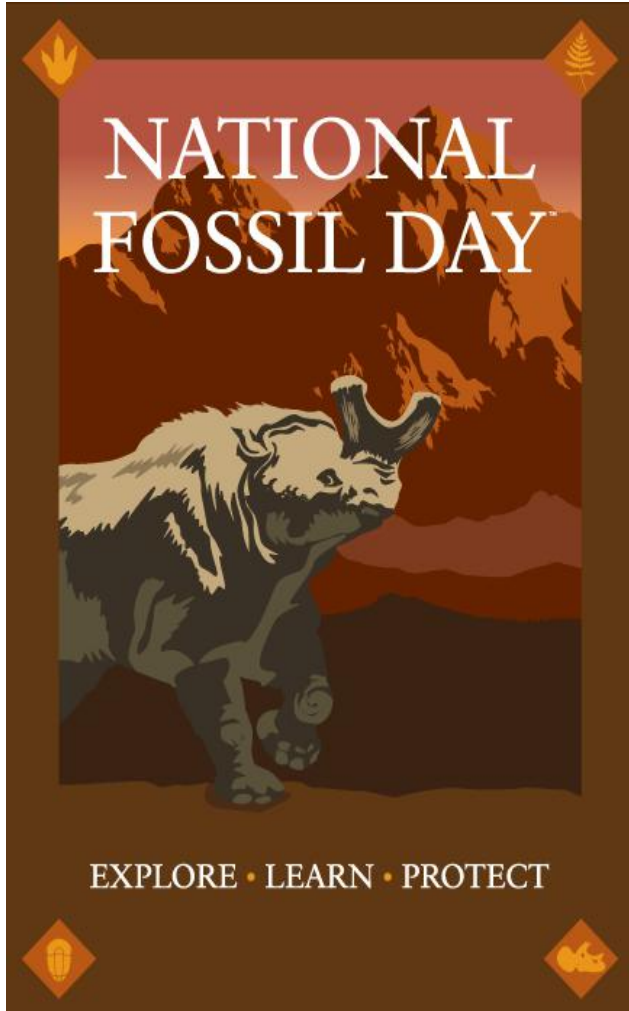
Garnet is a gemstone which has a range of colors from red to green. It is not a single mineral but a family of 6 closely related magnesium silicate minerals. It is a popular gemstone for jewelry making because of its brilliance when cut and its medium hardness of 6.5-7.5 on the Mohs scale. The red to pink colors of garnet result when iron replaces some of the magnesium ions. Green garnets are very desirable and usually get their color from vanadium and/or chromium. Beautiful specimens of Tsavoite rival emerald in color but are much rarer and often flawless.

In silicate minerals such as amethyst, iron ions result in a purple coloration.

Turquoise is an aluminum mineral composed of very tiny crystals and is formed in conjunction with copper. Turquoise mines in the American southwest were initially copper mines.

Malachite and azurite are copper carbonate compounds that are closely related and sometimes appear on the same specimen. Azurite is a brilliant blue while malachite is a vivid green. Why the difference in color? The copper in malachite specimens is more oxidized than that of azurite.

Geography and climate are important in the formation of gemstones. Conditions have to be right for ion replacement or deposit in minerals. Heat, pressure and the presence of trace minerals can mean the difference between a ruby and a pinkish stone of no great value. This brief introduction to color does not even begin to cover color formation in opals, agates, jaspers and similar gemstones.



2015 National Fossil™ Day (on right) features an enigmatic prehistoric mammal known as a [chalicothere](#) (derived from Greek words meaning "gravel beast"), a large herbivore, depicted in a [Miocene prairie grassland](#). The scene is an idealized representation of **Cenozoic Era life and landscapes**, which is the theme for the 2015 National Fossil Day monthly features. Each month, a different Cenozoic ecosystem and the associated animals and plants will be featured on the National Fossil Day website.

To learn more about the ungulates (hoofed mammals) that lived during the [Eocene](#) between about 50 and 34 million years ago. chalicothere, along with some of the contemporary animals and plants, please visit the National Fossil Day™ website for information about national sites and activities.

The National Fossil Day™ logo (on left) features a Titanotherium. Titanotheres are in a completely different family than rhinos. They are now extinct. Titanotheres, also called brontotheres, were herbivorous, odd-toed. Although the earliest titanotheres were relatively small, perhaps dog-sized, titanotheres eventually reached elephant-size, standing more than 2.5 meters (7 feet) tall! In addition to their large size, the later titanotheres also displayed a variety of bony, usually paired, appendages on the front of their skulls. These appendages may have been used for defense or to attract mates.

There are activities and art contests for National Fossil Day™. If interested go to: <https://nature.nps.gov/geology/nationalfossilday/activities.cfm>

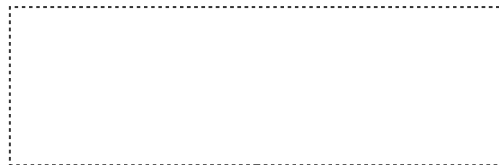
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Ohio activities/events will be posted in near future.

AUGUST 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
						1 Metalcrafters bracelet class
2 Metalcrafters 1:30pm	3	4 Extreme Beaders 9am	5 Gemcrafters 7-9pm	6 Gemcrafters 12pm	7	8
9 Arts in The Garden 11am- 5pm	10	11 Extreme Beaders 9am Faceteers 7pm	12 Gemcrafters 7-9pm	13 Gemcrafters 12pm Metalcrafters 6:30 pm	14	15
16 Metalcrafters 1:30pm	17 Beaders 6:00	18 Extreme Beaders 9am	19 Meeting 7 pm	20 Gemcrafters 12pm	21	22 Metalcrafters enamelling class
23 Juniors 1:00pm	24	25 Extreme Beaders 9am Faceteers 7pm	26 Gemcrafters 7-9:30pm	27 Gemcrafters 12pm Metalcrafters 6:30 pm	28	29

Group meetings and classes at the clubhouse are for members only. Our club meetings are at the TBG Crosby Conference center, 5403 Elmer Dr. Toledo and are open to the public on the third Wednesday of every month. To learn more about our club, visit us during our Open House held every May and November.




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