



Rocky Reader

The Monthly Newsletter Of The
Toledo Gem And Rockhound Club

Volume 54, Issue 12

December, 2016

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The club meeting on Dec 21 starts early because it is a POTLUCK!! Please arrive by 6:00pm to set out your dishes. Everybody who comes is asked to bring a meat dish plus a:

- dessert if your LAST name begins with A-J or
- vegetable dish if your LAST name begins with K - Z

Please remember to bring your own plates and utensils

After the last meeting, some people have stepped in to continue the club. We will vote on these candidates at the December club meeting beginning at 7PM.

CANDIDATE FOR PRESIDENT Cathy Clevenz

I know that I have qualifications to lead this club back to where it belongs. A club that shares and educates it's members and the public in a fun and friendly way. First of all, I want you to know I have a degree in Agricultural Business Management with an added concentration of of Business law and ethics. I was presented with the opportunity to help start the Agri-Business Club out to Owens Community College in the early 90's. I also helped to form the PTA at an area charter school, where I had served first as a Vice president and then as President the following year. I have no issues with any club members, have no problem with talking to large crowds, and believe in maintaining a friendly, professional and businesslike atmosphere. I would also like to mention that I have previous experience as an educator (5 years) and as a supervisor (7 years.). I love to solve problems, and have many good ideas on providing "checks and balances" that will aid in the prevention of mis-communication between club members.

Next Board
meeting: Dec
16, 4PM

CANDIDATE FOR VICE PRESIDENT Tom Barnhauser

I am retiree following a 25 year career in the military and the same period as the Deputy Director of the Lucas County Emergency management Agency. I am a long term adult leader in the Boy Scouts of America and I volunteer with several other not for profit organizations. I agree to abide by the By-Laws and support the president in the operation of the club.

CANDIDATE FOR METALCRAFT MODERATOR Terri Jones

Hi, my name is Terri Jones and I have been active with the club for a little over a year. I enjoy all the activities available and have gravitated to the metalcrafting. I had a wonderful teacher and some I have been learning on my own. I currently am making leaves with precious clay and have now made my own molds with antique buttons and have been making pendants. I have also made necklaces from beads for the past 15 years and sell them at 6-7 craft shows per year. I also have my own business (in my spare time) on Etsy and sell vintage jewelry and turquoise pieces. I also work full time as a nurse in a leading health care organization. My time is busy but I would love to be the moderator of the metalcrafters. I believe the club is to foster creativity and to pass on what is learned. I look forward to share and learn with you.

Toledo Gem and Rockhound Club

Minutes of the General Meeting

November 16, 2016

- 1) Pledge of Allegiance (Body)
- 2) Secretary Report – Tom Marok moved and Elie Ghanime seconded approval of the minutes. Passed.
- 3) Treasurer Report – Tom Marok moved, Tonia Wallace seconded approval of the financial report. Passed.
- 4) New Business
Insurance coverage Personal items kept in the craft and used for teaching are covered by insurance. Personal items not used for teaching are not covered.
Coryell Workshop is Nov 19&20.
- 5) Old Business:
No nominations were heard for President, V.P. and secretary so these offices are vacant. Michelle Grigore was elected treasurer, Harold Burleson was elected to a three year term on the board & Chet King was elected Sargent at Arms. All current moderators, except metalcraft, were confirmed in their positions
- 6) Group Reports:
Fieldtrips (Harold) – no trips now
Open House (Nancy) - Nancy Grove and joe Motter are willing to continue as open house chairpersons.
Beaders (Nancy) - resume in the spring
Rocky Reader (Debby) - deadline midnight Monday
Nov 21
Metalcrafters (Debby) – last meeting of 2016 is Dec 8
Sunshine (Joe) – none
Extreme Beaders (Kathy) - regular schedule
Faceters – (Elie) - see below, Chet King classes continue.
Juniors (Steve) - meet December 10.
Membership (Steve) – 38 members, 1 junior.
Gardens (Chet) - Heralding the first weekend of December
Gemcrafters – (Bonnie) – regular schedule
Tom Marok moved, Elie Ghanime seconded a motion to adjourn. Auction followed



\$700.00
List \$1100.00

AIM Kiln Custom Built for glass, ceramics & enameling
Model 1210 240 volt 19 amp 2000°F max temperature
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Thelma Postlewaite's Family News

Tina Kelsey	4
Lyn Kalinoski	8
Monica Henry	9
Peggy Autry	9
Elie Ghanime	12
J T Senghas	17

Christopher Goeloe	20
Emily Drake	26
Martha Drake	26
Joe Motter	29
Tabor Zeller	31

CLASSES

December 10&11. Introduction to Faceting. Instructor Chet King (419-841-4272). Chet will take up to TWO people for this short introduction.

GARDEN NEWS

December 2, 2016 5:00 pm - 9:00 pm Heralding the Holidays Toledo Botanical Garden, Toledo OH
December 3, 2016 10:00 am - 4:00 pm Heralding the Holidays Toledo Botanical Garden, Toledo OH
December 10, 2016 9:30 am - 11:00 am Honeybees and Brownies Toledo GROWS, Toledo OH
December 13, 2016 9:30 am - 10:30 am Garden Sprouts: The Gift of Gardening Toledo Botanical Garden, Toledo OH

FACETEERS

Every time I schedule a faceting class I mention that the faceting machines are Chet King's machines and thanks to him we are able to give the faceting workshop to our club members.

During the October club meeting, Mr. King complained about the transportation of two of his machines to the Stranahan during the annual club show, in order to be careful with the machines I loaded them into my truck instead of the rented truck that is loaded with all the rocks and the other equipment, I did this every year for at least the last five years with no issues or damage to any of the machines.

Regretfully, due to Mr. King's complaint during the club members meeting I announced that I would no longer use his machines for the faceting classes. However, if you are still interested in learning about faceting I can always teach you the theory part that is an important foundation to faceting and if you can bring your OWN machine it will be even better, the class is a full 2-days of theory and it's good for up to 12 people at the time, if you are interested please send me an email confirmation to: eg.therockman@gmail.com

Chet King will teach hands-on faceting classes on the SECOND weekend of the month. Chet will take up to two people for this short introduction. Call Chet (419-841-4272) for more information.

FIELD TRIPS

Contact Harold Burleson hburle@msn.com or haroldburleson12@gmail.com to be informed of future field trips. Many quarries now require up to date Mine Safety training for admission.

BEADERS

The Beaders meet on the third Monday of the Month at 6PM. If you are interested in beading, contact Nancy Grove nancy7536@att.net for more information.

Crystals...Minerals
Cutting Stock.....Tools
New and Used
Equipment
Buying Used Equipment
and Mineral Collections



R & E Rocks

654 Culley Rd

Holland, OH 43528

Owned and Operated by
Ed and Ruby Reynolds,
Club members
By Appointment Only:

419-382-1089 or 419-340-8801



EXTREME BEADERS

The Extreme Beaders meet on Tuesdays beginning at 9AM. Participants must be able to work independently on their own projects. If you would like to join, but need instruction, contact Kathy Petersen mlrlyt@AOL.com for more information.

GEMCRAFTERS

The Gem Crafters meet on Wednesdays beginning at 6:30 PM and Thursdays beginning at 12:00 PM. (Closed every third Wednesday due to the club meeting). If you are interested in lapidary and wish to register for training please contact Bonnie Wheeler at b86fiero@buckeye-express.com

JUNIORS

Because of holiday schedules, Juniors will not be meeting the third Sunday in November or December. Instead, our next and last 2016 meeting will be on December 10th at 1pm. Note, It is a SATURDAY! We will be in the room not occupied by the faceters class, in the club's craftcenter.

Any other questions about the juniors, Please ask Steve Shimatzki. E-mail: ajs132@gmail.com or call: 567-868-8794

METALCRAFTERS

The last meeting of the metalcrafters for 2016 will be December 8 at 6:30PM. Please e-mail debhoffmaster@gmail.com if you are planning on attending.

Coming Events from Chetty King's Flyer Table

January 28, 2017: LINCOLN, NE Lincoln Gem & Mineral Club Rock Swap. Bethany Park Shelter House, Cotner & Vine Streets, Lincoln. 1-5. Contact Jayne Beer, (402) 466-6628; jbeer6007@aol.com www.lincolngemmineralclub.org

COPROLITE FOSSILS

Coprolites form in much the same way as any other fossil - the original organic material is infused with water containing dissolved minerals, and as the minerals crystallize, the original material is slowly replaced by stone.

Most people, when handed a coprolite for the first time, go and sniff it as their first impulse. But it smells of nothing but stone, because that's all it is now, technically speaking.

Coprolites are at a disadvantage from the start in the fossil-forming process. Generally speaking, the quicker to decay an object is, the less likely it is to successfully fossilize. Fossilization takes time, and if the whole thing rots before it can finished, well, no fossil [1]. That's why hard and durable objects, such as bones and teeth, are much more common fossils than soft tissues, or coprolites. Coprolites were first identified as what they actually are, by a woman named Mary Anning (21 May 1799 – 9 March 1847). Mary Anning was a fossil collector and paleontologist from southern England, and noticed these odd stones inside the abdominal areas of the ichthyosaur fossils she was collecting. When she broke them open, she noticed they had fragments of fossilized fish bones and scales.

In 1829, Anning's observations led a geologist named William Buckland to propose that these stones were the digested remnants of the dinosaurs' last meals, and he gave them the name of coprolites.

Those fossil fragments inside coprolites contain a wealth of scientific information, for anyone who really wants to look closely. The kinds of fossils contained in the coprolite can tell us a lot about the environment the creature was



From <http://prehistoricoregon.com/coprolite>

living in, by what it found in the area to eat. It also reveals the creature's preferred food sources, such as whether it was an herbivore or a carnivore, and sometimes it will even reveal what parasites plagued its creator. And, yes, we learn a lot about its intestinal systems. That's pretty much a given.

The challenge, of course, is in determining exactly which species of creature left a particular coprolite behind. In some cases, when there are a lot of fossilized remains of a particular animal around, it's easy to make a good guess. And in some cases, as with Mary Anning's fossils, the coprolites were petrified while still within the animal's body. But with a more isolated coprolite specimen, it can be very difficult.

Early human settlements left the occasional coprolite as well, so they have archaeological value as well as geological value. As it turns out, we can learn about our own history from them. A human coprolite found in a cave in Oregon revealed the existence of a long-lost 13,000-year-old society [2]. And a research team from the University of Colorado, studying an ancient Anansi settlement in Colorado known as Cowboy Wash, uncovered human remains showing what they believed to be evidence of cannibalism. They tested a coprolite found nearby, and discovered it contained a protein only found in human muscle tissue, confirming their theory [3].

Oddly enough, coprolites from dinosaurs and other prehistoric beasts are often used in jewelry. Due to the mineralization, many of them have bright and beautiful coloration. And, well, you get a great answer to give when someone says, "Ooh, what a pretty necklace! What stone is that?"

Some people may think coprolites are disgusting, but like any other fossil, they're also windows into a lost and wondrous past on this planet.

From: The Rockhounder August 2016

Sources:

[1] <http://discovermagazine.com/1996/jun/whatthedinosaurs786>

[2]

<http://www.foxnews.com/scitech/2012/07/12/fossilized-human-feces-hints-at-long-lost-13500-year-old-west-coast-culture/>

[3] <http://www.smithsonianmag.com/people-places/anasazi.html?c=y&story=fullstory> via Rockhound Times article at <http://www.rockhoundtimes.com/coprolites.html>

The Merit of Metals – Gold

Gold has been the standard symbol of beauty and wealth for the entirety of recorded history; gold jewelry has been uncovered from burial sites dating back to 4600 BCE. Gold jewelry even predates the invention of the wheel in Mesopotamia c. 3900 BCE.

The Eminence of Gold Ever since the first person recovered and worked an alluvial gold nugget gold has enchanted humans. Gold exudes timeless appeal, famously adorning the ancient pharaohs of Egypt, the magistrates of ancient Rome, and every noble family in Europe. Even Elvis, the king of rock and roll had a gold piano; or at least a wooden piano covered in gold leaf.

Gold's worldwide appeal is further evident by its presence in artifacts from Pre-Columbian Mesoamerica, the use of the gold talent as a currency in ancient Lydia c. 700 BCE, and the mining of gold ore from Kolar gold fields from the first millennium BCE. Gold jewelry was excavated from ancient burial sites radiocarbon dated to 4200-4600 BCE which means gold jewelry even predates the invention of the wheel by around 700 years!

Gold's indefectible beauty has led to its presence in artifacts from nearly every civilization and religion spanning every continent but Antarctica, and with that millennia-long track record of value, it's never been a bad time to purchase gold.

Modern Gold Today the monetary value of a piece of gold jewelry is determined by its karat. Karat is the measure of fineness (or purity) of gold, and is expressed as parts per 24. The most common karats in gold jewelry today are 10 karat (41.6% pure) 14 karat (58.3% pure) 18 karat (75% pure) 22 karat (91.6% pure) and 24 karat (100% pure.) To determine the purity of any karat gold, divide the karat by 24 (14/24 = 58.3%) or to calculate the equivalent karat based upon the purity of gold,

multiple the percentage of purity by 24 ($0.73 \times 24 = 17.5$ karats.) A stamp or mark of fineness (whether expressed as a percentage or a karat) on a product manufactured with any amount of gold cannot overstate the fineness of the entire piece by more than seven one thousandths. This means a piece of jewelry that is assayed at 40.97% pure gold can be considered 10 karat, but at 40.95% it cannot. Today's jewelry is available in a plethora of colors which compliment today's fashion trends. These colors are achieved through the use of non-gold metals alloyed with gold. Red gold alloys contain high concentrations of copper which provide their rose hue, green gold alloys contain silver, and white gold contains nickel (or palladium); extra white gold, an alloy which produces the bright white look of rhodium plating without the need to electroplate, contains a higher concentration of nickel than other white gold alloys.

The high price of gold necessitated the development of a material which would provide the look of karat gold without the cost. Gold filled is that material, offering the look of karat gold at a fraction of the price. Gold filled is karat gold mechanically bonded onto a brass metal core through heat and pressure. In the United States, gold filled material is required by the National Metals Stamping Act to have a karat fineness of not less than 10 karats (41.6% pure) gold. This karat gold layer must additionally be a minimum of 1/20th of the weight of the gold filled to qualify as 'gold filled'. Any 'gold filled' that possesses less than 1/20th karat gold by weight is prohibited from being sold as gold filled, and is instead considered 'rolled gold plate' or 'gold overlay.' The karat fineness and thickness of gold filled is most often expressed in a fraction, with the numerator of the fraction expressing the fineness of the karat gold, and the denominator indicating the karat gold to brass alloy weight ratio. As an example a common marking for gold filled is '14/20 gold filled'. The first number in the fraction (14) informs you of the fineness of the gold (in karats) and the denominator indicates the weight content (for our 14/20 example this is 5% by weight.)

The facemask of Tutankhamun's burial mask is 18 karat gold; the headdress is 23 karat gold; which suggests the face was constructed separately. From: Livingston Gem and Mineral Society July 2016: excerpted from the G and S Metals blog

THERE IS A NEW TREND IN WEDDING CAKES...EDIBLE GEODE CAKES!

They use rock candy for the crystals – and create a cavern inside the cake and lines it with crystal rock candy. You can read more about it on these websites:

<http://www.brides.com/blogs/aisle-say/2016/07/geode-wedding-cakes.html>
<http://www.boredpanda.com/amethyst->





wedding-cake-geode-
intricate-icings-rachel/

From: The Ghost Sheet
Vol. 68, No.8— August 2016

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https://calendar.google.com/calendar/b/1/render#main_7

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December 2016

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27 28 29 30 1 2 3

4 5 6 7 8 9 10

11 12 13 14 15 16 17

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25 26 27 28 29 30 31

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My calendars

Other calendars

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28 5:30p GemCrafter Training Class	29 9 Extreme beadars	30 6:30PM - Gem Crafters Worksh	Dec 1 12p Gemcrafters	2	3
4	5	6 7PM - Fceteers II Workshop - To 9 Extreme beadars	7 6:30PM - Gem Crafters Worksh	8 6:30PM - Metalcrafters Worksho 12p Gemcrafters	9	10 Introduction to Faceting 1p Juniors christmas meeting
11 Introduction to Faceting	12	13 9 Extreme beadars	14 6:30 PM - Gem Crafters Workst	15 12p Gemcrafters	16 board four	17 Gem Crafters
18	19 6p Monthly beadars April to Novem	20 7PM - Fceteers II Workshop - To 9 Extreme beadars	21 Program: Potluck 7p 7PM Toledo Gem and Rockhou	22 12p Gemcrafters	23	24 Christmas Eve
25 Christmas Day	26 Christmas Day observed	27 9 Extreme beadars	28 6:30PM - Gem Crafters Worksh	29 12p Gemcrafters	30	31 New Year's Eve

Terms - Privacy

Ask me anything

9:33 AM 11/29/2016

Toledo Gem And Rockhound Club

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AFMS

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