

Rocky Reader

<http://www.rockyreader.com>

The Monthly Newsletter of the **Toledo Gem and Rockhound Club**



Volume 53 – Issue 1

January 2015

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President's Message

Happy New Year! I hope the holidays were good to everyone. As we come into the new year I am very excited to be serving you as your president. On a personal level, I see this as an opportunity to get to know our newer members, to continue to facilitate a good relationship between our club, the Gardens, and some of our sibling organizations at TBG, and to continue to learn new skills and hone old ones.

For those of you who don't know me well, I have been a member of the TGRC off and on for most of my life. As an adult I have been a member for most of the past 15 years. During that time I was able to serve as your membership chair for a time, as well as serving as a moderator and/or teaching workshops for both the Gemcrafters and Metalcrafters groups. As a child I was a junior member in the 70s and 80s when my Grandparents (George and Vivian Pochay) were still very active members in the club. My sister and I spent our weekends and summers at their home while my parents were at work. It was a wonderful childhood and we got to know many of the old members of both the Toledo and State Line clubs when they would stop by to visit or buy things from my grandparent's Cut and Crystal Rock Shop in Lyons, OH. We were frequent attendees at the monthly business meeting and got to go to all of the shows and the open houses as my Grandparents were dealers. Part of what makes serving you such a huge honor is my history with this club. My Grandfather served as President and my Grandmother was the Editor of the Rocky Reader for many years. I hope that I can serve you all as well as they both did.

January will be a busy month for some of you as I will be asking a lot of questions and calling on some of you for help with budgets and such for the new year. I thank you all in advance for your patience with me as I get acquainted with my responsibilities and get comfortable with my new role! I have some ideas to share with you all over the coming months about how to preserve our long and wonderful history while moving forward into a fun and productive future.

Stay tuned!

Tonia Wallace (President)

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January Meeting:

The general meeting program for January will be the delivery and receipt of scholarship checks to the Geology departments of Bowling Green University and The University of Toledo.

Toledo Gem and Rockhound Club Meeting Minutes General Meeting

Date: December 17, 2014

Meeting started 7:45 pm with Pledge of Allegiance

Secretary Report – moved for approval by Suzanne Shimatzki and seconded by Deb Hoffmaster

Treasurer Report – Finance Report moved for approval by Mike Gogel subject to audit and seconded by Harold Burleson

Old Business

The Board also approved the By-Law changes resulting from the review by Jim Leslie and his committee and was handed out to members as needed. The changes were moved to accept by Ruby Reynolds and Carla Burleson. A vote to accept by the members who approved the changes.

We are in the process of moving the checking account over to Huntington Bank. They offered a significant amount to do so. It will be placed in the general club funds to help offset some of the recent unexpected expenses that were not in the budget such as the lease increase.

New Business

Candidates for Office installed:

President - Tonia Wallace

V. President - Deb Hoffmaster

Secretary - Mike Mayers

Treasurer - Luanne Harris

Sargent At Arms - Greg Feight

Board Members

Harold Burleson

Elie Ghanime

Group Reports

Gardens: Heralding the Holidays December 5 – 7 was a success

Next is the seed and bulb swap at Woodward High School in Feb or March

Gemcrafters: See Rocky Reader for dates\

Faceteers: Email Elie if you have interest

Metalcrafters: See Rocky Reader for dates

Beaders: Break for the winter

Extreme Beaders: See Rocky Reader for dates

Juniors: No December meeting planned, January will be growing salt crystals at home and bringing in the results. Also a discussion of safety when making cabochons.

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Sunshine: No news this month

Life Membership awarded to Harold Burleson!

Membership: 39 members, 3 juniors

Field Trips: Enjoy your holiday

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

January meeting checks from the Scholarship Raffle from the 2014 show will be presented to representatives from UT and BGSU. A program will be provided by BG this year.

The meeting concluded at 8:20 pm

Respectfully submitted,

Mike Mayers, Secretary

BEADERS

Monthly Beaders will be taking a hiatus after November meeting

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

The December Ho Ho Ho Party was well attended with lots of good food and gifts for everyone. Cathy Petersen graciously conducted our election of Moderators for 2015. Main Moderator is Bonnie Wheeler and Co-Moderators are Natalie Hill, Greg Feight and Chet King. A brief meeting was held to discuss Gemcrafter business. New safety switch covers will be installed on electrical outlets to Gemcrafter equipment. Our 2015 goal of obtaining a sphere making machine was adopted. Special recognition and gifts of appreciation were given to Natalie Hill, Harold Burleson, Shirley Steib, Chet King and Elie Ghanime for their outstanding support of the Gemcrafter group. (All gifts were donated).

Heralding The Holidays was a huge success for all Gemcrafter members who participated. Natalie, Chet and Bonnie were set up in the Gardens Education Building and distributed tickets for a free child's gift available in our TGRC Craft Center during the event. Members set up in the craft center made 147 children happy by letting them select their free gift from multiple choices. Parents were quite happy too :) (Children's gifts were donated). This method of getting visitors to our Craft Center worked very well. Many visitors had no idea our club or building existed. We hope to build on this idea next year as a means of publicizing TGRC.

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Gemcrafters Auction will be held at the April club meeting. We are now accepting donations. Funds raised will be earmarked for a sphere making machine. We plan to have both a regular bidding auction and a table or two of "buy it now" priced items. Donations may be dropped off any Wednesday evening or Thursday afternoon during any regular Gemcrafter session. Start saving your money as this auction and sale will be a doozy!!

Wishing peace and prosperity for all our members in 2015.

Bonnie Wheeler, Moderator

Craft Center open Wednesday nights 6:30 pm - 9:00 pm and Thursday afternoons Noon - 4:00 pm.(Closed every 3rd Wednesday for club general meeting).

Thanks to all Gemcrafters for your attention to proper equipment use and efforts at keeping the Gemcrafters area clean. Equipment repair and maintenance costs are way down over last year!

IMPORTANT!! ONLY members who have successfully completed GemCrafter training by Natalie or Elie are allowed to use GemCrafter equipment. (Saws, grinders, etc). NO equipment may be used unless a GemCrafter Moderator is present and the required \$1.00 fee is paid. No exceptions. GemCrafter equipment may be used only during scheduled GemCrafting sessions.

Training for use of the new Gemcrafters Cabachon Drill Presses is available Wednesday evenings during regular Gemcrafter sessions. Training takes about half an hour. Upon completion trained members may use the drill presses during any Wednesday evening or Thursday afternoon Gemcrafters sessions.

METALCRAFTER CLASSES

The following schedule is a listing of upcoming classes. To enroll, please send fees to the instructor three weeks prior to the class.

April 18, 2015 10AM. Enameling with underglaze. Instructor Harriet Nearing. (2 openings). Fee of \$50 to be sent to Debby Hoffmaster and RECEIVED (not postmarked) by March 28. This is an advanced class. Participants must have had previous enameling experience. Students will make a pendant by first chasing a design, then applying liquid underglaze onto the chased lines. A transparent enamel is then sifted onto the dried underglaze and the piece is fired. All materials and tools are provided.

METALCRAFTER MEETINGS

The Metalcrafters will meet January 4, 8, 18 and 22. Sunday meetings are from 1:30 - 3:30 and Thursday meetings are from 6:30-8:30. As we are entering the cold and snowy (and icy) months, we may need to cancel some meetings. So, please check your e-mail for any cancellations. I will post these no later than one hour before the scheduled start time of the meeting. Notices go out to those receiving metalcrafter e-mails. If you are not currently getting these e-mails, please let me know.

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 one of the beginning pendant classes. 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.

Third Sunday Project - The January third Sunday project will be a simple wire-wrapped bead ring. Participants interested in this project should pre-register with me (debhoffmaster@gmail.com) in advance and bring a bead. Brass square wire will be provided or you may bring silver square wire. Participants must pay the \$1.00 session fee, and wear long pants and sturdy shoes (no sandals). Please remember, the third Sunday projects are open to any club member.

JUNIORS



MIDWEST FEDERATION 2015 YOUTH POSTER CONTEST

Sponsored by Summit Lapidary Club

Theme: The official state gem, mineral, rock or fossil of the state you live in.

Eligibility: Any student 1st through 8th grade.

Prizes: Each grade will have a winner.
Ribbons will be awarded 1st through 4th place.
1st through 3rd place will also receive a prize.

CONTEST RULES:

- All entries must be presented on paper 12"x18"
- Include name, address, age and school grade of participant on BACK of entry.
- No three dimensional posters accepted
- The title may be on front or back
- List your state and why you chose the gem, mineral, rock or fossil
- All entries become the property of the MWF and Summit Lapidary Club

SCALE OF POINTS:

- Originality and Art Work - 30 points
- Design - 25 points
- Title - 25 points
- Listing of state gem, mineral, rock or fossil and reason for your choice - 20 points

ARTWORK: Artwork on posters can be pen, ink, crayons, magic marker, paint or any other artist's medium

DEADLINE: Entries must be postmarked by May 1, 2015

SEND TO: Jennifer Fike
P.O. Box 26276
Akron, Ohio 44319

QUESTIONS: Contact Poster Judge Jennifer Fike by email
SLC.youth.poster.contest@gmail.com
Contest information on MWF website at www.amfed.org/mwff/

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Rocks & Minerals

S	H	A	L	E	U	Q	P	J	E	F	E	D	E	S	S	B	S	T	P	H	R	C	S	P
F	H	W	J	C	L	A	T	T	E	T	S	T	N	P	M	E	Z	E	E	O	C	H	C	Y
L	N	F	L	J	V	E	I	M	I	A	I	E	H	U	D	T	T	M	C	W	O	E	H	R
Q	R	N	Y	L	N	R	E	S	N	V	T	A	S	N	E	I	A	K	F	T	A	R	I	I
J	N	I	N	I	O	T	E	D	O	I	L	P	E	T	R	T	S	L	Y	N	L	T	S	T
M	Z	F	V	I	I	D	S	C	T	E	Y	L	A	O	I	A	E	D	G	N	M	A	T	E
L	Y	I	D	M	N	T	S	E	R	G	B	R	U	T	L	G	T	U	F	F	O	V	I	V
P	L	E	O	A	O	U	N	I	K	N	E	L	E	T	B	C	R	B	L	I	S	U	R	P
O	K	L	T	N	M	G	T	C	R	M	F	G	Q	F	T	I	A	A	O	F	O	I	V	N
H	O	X	E	I	A	E	O	O	O	T	J	Q	R	E	J	R	O	L	N	R	V	O	R	S
D	S	S	O	M	R	R	H	L	T	E	U	S	L	A	L	X	Y	T	C	I	B	C	Y	U
F	O	C	F	R	R	Y	G	S	L	T	X	R	Q	F	P	P	E	E	I	I	T	B	J	M
Z	E	M	V	E	B	N	P	O	E	I	P	Q	Q	C	Y	H	E	T	T	T	T	E	A	N
B	P	F	P	A	O	B	B	O	B	R	M	V	Z	U	L	W	I	T	I	I	E	E	Y	G
T	W	P	R	C	R	S	I	V	C	H	P	E	H	N	O	W	R	T	I	L	T	J	P	P
E	O	I	I	E	I	E	R	M	D	L	E	E	S	F	F	I	M	A	E	N	O	A	J	T
C	T	N	C	D	T	G	G	M	Y	F	A	T	N	T	E	E	S	U	P	N	O	Y	P	X
E	O	C	I	I	H	P	F	I	I	P	L	H	I	T	O	T	T	E	D	S	D	M	H	A
F	I	A	R	S	O	M	H	E	T	A	L	S	C	T	I	N	I	I	E	N	D	X	I	R
A	N	U	N	Z	S	I	D	A	I	R	O	C	S	B	O	N	E	H	Z	T	U	L	L	L
T	Z	M	A	R	B	L	E	L	A	L	N	W	D	V	A	D	E	R	C	T	I	R	E	Q
A	H	A	L	I	T	E	C	L	A	Y	F	S	W	C	O	S	I	S	T	A	R	G	O	F
G	Y	P	S	U	M	S	U	L	F	U	R	M	H	W	I	T	A	R	A	M	L	A	U	C
Z	Q	V	F	O	C	Z	T	R	A	U	Q	S	S	I	E	N	G	L	E	P	B	A	U	A
G	A	L	E	N	A	P	U	M	I	C	E	B	J	H	E	S	E	M	T	P	B	M	M	Q

ANDESITE
APATITE
AUGITE
AZURITE
BARITE
BASALT
BIOTITE
BRECCIA
CALCITE
CHALCOPYRITE
CHERT
CLAY
COAL
CONGLOMERATE

COPPER
CORUNDUM
DIORITE
DOLOMITE
FELDSPAR
FLUORITE
GABBRO
GALENA
GNEISS
GRANITE
GRAPHITE
GYPSUM
HALITE
HEMATITE

HORNBLENDE
LIMESTONE
LIMONITE
MAGNETITE
MALACHITE
MARBLE
MUSCOVITE
OBSIDIAN
OLIVINE
PERIDOTITE
PUMICE
PYRITE
QUARTZ
QUARTZITE

RHYOLITE
ROCK GYPSUM
ROCK SALT
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Sphere created by John Kalinoski Christmas, 2014

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

5	Larry Dion
	Reima Heif
7	Aaron Kinzel
8	Cheryl Ruddell
11	Lucille Burgy
	Jared Glovek
	Marjorie Harris
13	Carla Burleson
16	Evan Goodfriend
	Gale Mentzer
19	Noah Logston
20	Mary Anne Alberts
	Andrew Sturtz
22	Luanne Harris
	Steve Shimatzki
24	Amanda Huff
26	Betsy Harloff
29	Linda Markowiak
30	Joanne Huspek

Remember to check your
Driver's License
expiration date!

State's Oldest Trilobite Discovered in Western Ohio Deep Well

New Cambrian-age fossil offers clues to Ohio's geologic history

November 14, 2014—Geologists at the Ohio Geological Survey have discovered fossil remains of a trilobite believed to be the oldest ever found in the state of Ohio. The trilobite, thought to be a species of *Olenoides*, has been identified in a 4-inch diameter core of sandstone recovered from a deep well in northwestern Ohio.

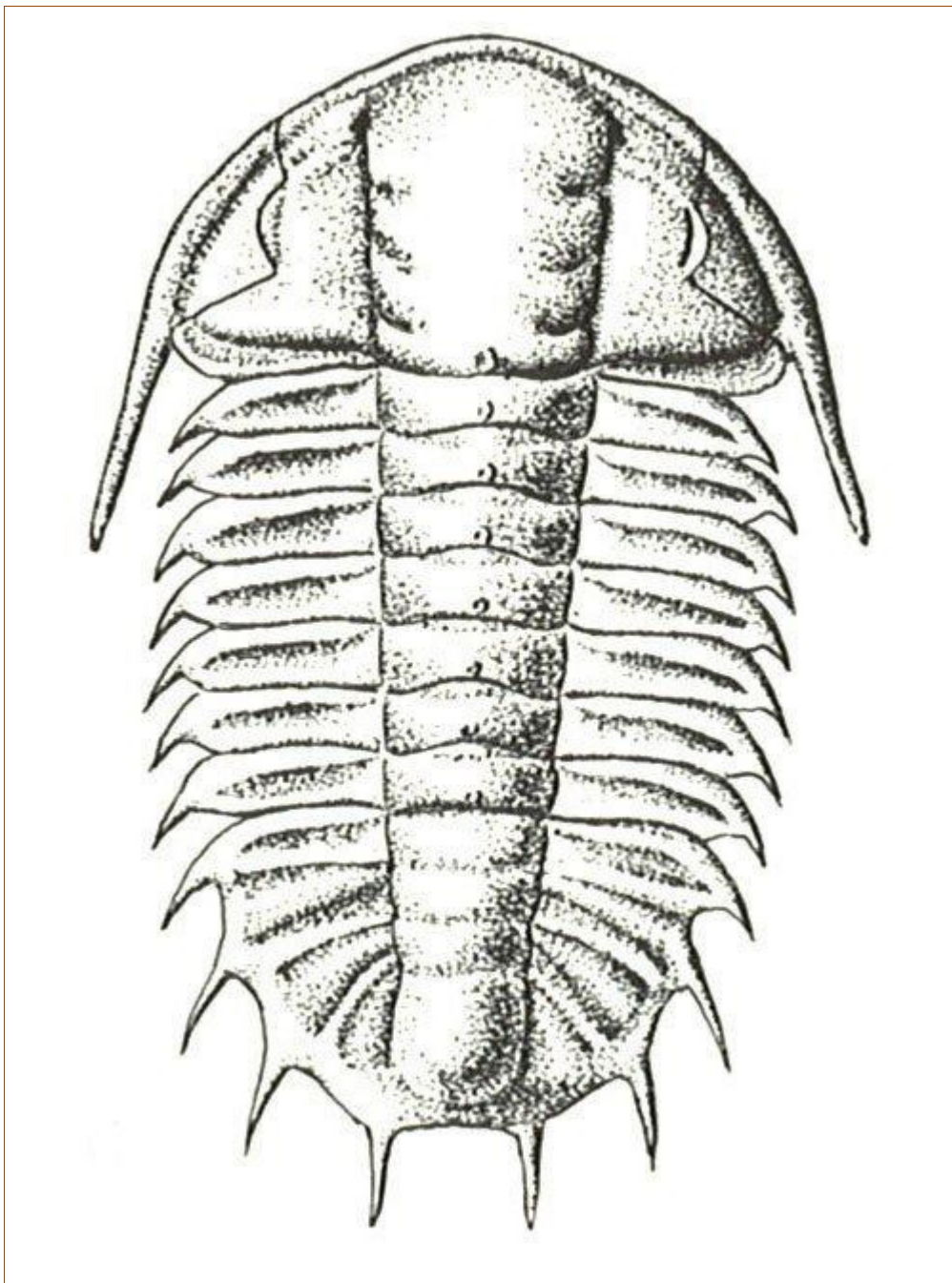


Illustration of trilobite Olenoides curticei (Middle Cambrian) fossil (from [Treatise on Invertebrate Paleontology](#), Part O, Arthropoda 1, fig. 159-6). Researchers believe the newly discovered trilobite could be this species.

The trilobite was found in a section of core from a geologic formation known as the Mount Simon Sandstone. The Mount Simon was deposited during the Cambrian Period, from about 542 million to 513 million years ago. The partial trilobite was found in an interval of core from 3,035 feet (925 meters) below the surface.

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The discovery will help researchers continue to unravel the poorly understood sedimentary environment that contributed to the creation of the Mount Simon Sandstone, as well as the ecological geology of the region.

“It is unusual to find this species preserved in a quartz sand, relatively high-energy environment,” said Survey geologist Mark Baranoski. “Trilobites are typically found preserved in muddy, low-energy environments.”

Baranoski was joined on the research by Dr. Lauren Babcock and Dr. Ann Cook, professors at the Ohio State University School of Earth Sciences. According to the team, the *Olenoides* specimen appears to have become stranded upside down on a beach and eventually buried in sand.

The discovery was made during an ongoing study of deep-well data across Ohio. Survey geologists were conducting routine logging of the core, which was taken from an exploratory well drilled in 1967 by Vistron Corporation at the Standard Oil Company refinery site in Lima, Ohio. The core had been stored at the University of Toledo, Department of Geology prior to being transferred in 2006 to the Survey’s Horace R. Collins Core and Sample Repository.

“Very few deep cores have been drilled in Ohio, therefore any new information greatly enhances our knowledge about Mount Simon Sandstone, as well as the ecological geology of the region,” said Baranoski. The Mount Simon is an important saline reservoir for industrial and oil-and-gas field waste. Deep core data and well information enables researchers and industry to help predict the most suitable areas throughout the state for deep-well disposal of these wastes.

This new finding illustrates the importance and usefulness of Survey data and information archives at the Collins Lab, which currently houses over 300,000 feet of core; rock cuttings from more than 5,000 wells; and other numerous data accessible by the public. Survey and research geologists are continually uncovering new data and information from its archives.

Babcock, Baranoski, and Cook have published a paper describing their findings in the journal [GFF](#).

Further Reading

- [H. R. Collins Laboratory](#)
- [Bulletin 70: Fossils of Ohio](#)
-  [GeoFacts 5: Ohio Trilobites](#) [290 KB PDF]
-  [Generalized Column of Bedrock Units in Ohio](#) [123 KB PDF]

Events From Chetty King's Table:

February 28 Seed Swap sponsored by TBG Woodward HS 12:00-3:00

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/>

Roll Printed Textures

If you have access to a rolling mill, roll printing is an easy way to add interesting textures to copper, brass or silver sheet. A texture is formed on the sheet metal by pressing a pattern material into it. But a lot of pressure is required, and that is why the rolling mill is used. The process is quite easy.

1. Make up your sandwich of annealed sheet and pattern

2. Put it in the mill and close the rollers on it
3. Extract the sandwich by rolling it backwards out of the mill
4. Close the rollers enough to impress the pattern
5. Roll the sandwich through the mill without stopping

The only problem is #4 and that's where you have to do some experimenting. The amount of compression will be different for every new pattern material. I use scrap copper sheet to try out a pattern before committing to silver. Try rolling just a small amount of the sandwich, and then reverse and roll it back out to inspect how well the pattern is being impressed into the metal. Adjust the compression, carefully reassemble the sandwich and roll through.

Initially look for pattern material that has actual holes in them, like window screening or lace. Then try some coarse rice paper from an art store, the stuff with big fibers in it. Manilla file folder sheet makes a great pattern. Cut or punch holes in it, and polish your metal sheet before pattern rolling it. Lastly, don't forget to try some of the plastic mesh used to pack fruit in grocery stores.

One caution, never let any steel pattern touch your rollers. It could damage them. Steel can be used as pattern material but always shield it from touching the rollers with a sheet of scrap copper or nickel.

See some pictures at www.facebook.com/benchtips

Deburring Jump Rings

When cutting jump rings from large gauge wire for chainmaking, you'll notice the saw leaves a small burr. An easy way to remove these is to tumble the rings with some fine-cut pyramids.

No tumbler -No problem. You don't actually need a tumbler. I just put a handful of pyramids in a wide mouthed plastic bottle (think peanut butter) and shake the rings by hand. Don't overdo it - 30 seconds to a minute is all you need. Excess tumbling will remove the polished finish from the wire.

To find the pyramids, ask a friend who tumbles or look in the tumble finishing section of most jewelry supply catalogs.

Deburring a Hole

When you drill a hole, there's usually a burr produced on the underside of the metal. Typically, they are removed by filing or sanding this smooth, but doing it this way will put scratches on your piece that will have to be polished off.

A quick way to remove the burr without scratching any of the surrounding area is to grab a drill that's two or three times larger than your hole.

Simply twist it in the hole to cut off the burr. I usually do this twisting by hand, but if you have many holes to do, it's easier on your fingers to put the drill into a holder like a pin vice.



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Goldstone: Felt and cerium Oxide, Pellon and Cerium Oxide

Howlite: Felt and Tin Oxide, Leather and Linde A

Jadeite: Leather and Linde A, Leather and Chrome Oxide, Muslin and Tin Oxide, Velvet and Tin Oxide

Jasper: Felt and Cerium Oxide, Leather and Linde A

Lapis Lazuli: Leather and Linde A, Leather and Chrome Oxide

Malachite: Leather and Linde A, Leather and Chrome Oxide

Nephrite: Leather and Linde A, Leather and Chrome Oxide, Muslin and Tin Oxide, Wood and Tin Oxide, Velvet and Tin Oxide

Opal: Felt and Cerium Oxide, Velvet and Tin Oxide, Muslin and Tin Oxide

Quartz: Felt and Cerium Oxide, Leather and Cerium Oxide, Pellon and Cerium Oxide, Felt and Tin Oxide

Rhodocrosite: Leather and Linde A, Leather and Tin Oxide, Leather and Diamond

Serpentine: Leather and Linde A, Leather and Tin Oxide

Sodalite: Felt and Cerium Oxide

Tiger Eye: Leather and Linde A, Pellon and Cerium Oxide

Turquoise: Leather and Linde A, Leather and Tin Oxide, Leather and Zircon

Unakite: Felt and Cerium Oxide

Variscite: Leather and Linde A, Leather and Tin Oxide

(from **The Glacial Drifter** vol 37, #12, Dec., 2014)

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
				1	2	3
4 Metalcrafters 1:30pm	5	6 Extreme Beaders 9am Faceteers 7pm	7 Gemcrafters 6:30-9pm	8 Gemcrafters 12pm Metalcrafters 6:30 pm	9	10
11	12	13 Extreme Beaders 9am	14 Gemcrafters 6:30-9pm	15 Gemcrafters 12pm	16	17
18 Metalcrafters 1:30pm Third Sunday Project	19	20 Extreme Beaders 9am Faceteers 7pm	21 Meeting	22 Gemcrafters 12pm Metalcrafters 6:30 pm	23	24
25 Juniors 1:30pm	26	27 Extreme Beaders 9am	28 Gemcrafters 6:30-9pm	29 Gemcrafters 12pm	30	31

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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