



Rocky Reader

The Monthly Newsletter Of The
Toledo Gem And Rockhound Club

President

Jim Leslie
517-265-6284
jleslie@adrian.edu

Vice-President

Steve Shimatzki
419-861-0147
sjs132@accesstoledo.com

Treasurer

Linn (Pete) Petersen
419-535-6606
PetersenLinnA@AOL.com

Secretary

John Capuano
419-882-1733
jscapuano@yahoo.com

Sgt.-At-Arms

Carla Burleson
419-533-7341
mamamae162@msn.com

Board Members

Harold Burleson
419-533-7341
Mike Mayers
419-885-5613
Joe Motter
419-691-2783

Past President

Larry Barrick
419-734-2093
barrickent@cros.net

Show Chairpersons

Suzanne Shimatzki
419-861-0147
sjs132@accesstoledo.com
Jerri Heer
419-389-9204
jheerx6@aol.com

Membership/ Interim Editor

Debra Hoffmaster
517-265-6284
dhoffmaster1@verizon.net

Sunshine

Lucille Burgy
419-893-3437

Craft Center phone - 419-531-8124

website: Toldeogemandrockhoundclub.com

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February is Metalcrafter the Silent Auction

We will auction some very nice **Faceted Stones** that were donated by Nancy Grove. As usual, there will be handcrafted jewelry, tools and supplies. Please bring your donations and your money.

The past proceeds from this auction have bought the PMC kiln, the rolling mill, the hydraulic press and bracelet former, the grey storage cabinet, the vibratory tumbler, hammers and assorted hand tools. Thank you for your generosity.

**WE
NEED**

A Representative to the Midwest Federation Convention, August 11&12 in Houghton, MI. If you are a mineral collector, this is a premier opportunity to get in on some really great field trips, meet good people and represent the club. According to Chet, "this is the best trip for the Federation." Some monetary support is available. See Jim Leslie for details.

Refreshments for the club meetings. Call Carla Burleson if you can bring goodies to a monthly meeting.

A Hospitality Coordinator for the Club Show. We need someone to solicit and organize food contributions for the workers who are setting up the Club show - all day Thursday and Friday until 2PM. Contact Jerri Heer or Suzanne Shimatzki to volunteer.

Donations for the Open House Raffle. As you know, TBG is now charging us \$500/open house for the rental of the facilities. Help us raise some of this money by donating to the Club Raffle. Any contribution accepted.... The next raffle will be at the March Meeting. Call Jim Leslie to tell him what you can contribute.

Would you like to give a Program.

I had call from the Program chairwoman of the Dayton Gem & Mineral Club. She wonders if anyone in our club would like to come to Dayton, and give a talk to their club. They meet at 7:30 on the 2nd Tuesday of the month. You can give a demo on your favorite rock work, give a talk about a collecting trip, etc. If you are interested and

want more info, contact Kathy Bailey, at jimkatbailey.@aol.com. If you like the Air Force Museum, it would be a nice side trip. Also a chance to see what other clubs are doing. Submitted by Chet King Jr.

Toledo Gem and Rockhound Club Meeting Minutes 12-20-2006

Members enjoyed a Pot Luck Feast.

The **meeting** was called to order by the President Jim Leslie, at 7:10 pm with the Pledge of Allegiance to the flag.

Minutes as printed in the RR were approved.

Treasurer's report was given and approved. November Club Auction earned \$812.00. Donation was received to pay for the Open Houses for the 2007 year, but the club needs to generate enough money to pay for the following year. Raffles will be done at meetings to help earn money, and it was suggested that raffles be done at the Open Houses as well, but there is a concern about costs of mailing items if the winner is not present at the drawing. More will be discussed at the next meeting.

Show Meeting will be at 6 in the stable room at the January meeting. Most chair people have been appointed. A Native American theme is being considered, as this was popular at a prior show. There are some additional publicity ideas for the show. Jeri is checking this out. Stranahan is less and less supportive about our having any food available during the show. They need to correct some problems from last year, when they ran out of food. We need more volunteers for set up and take down.

Gemcraft will be open next Wednesday night. Chet is willing to do any classes requested.

Faceteers met and will be meeting Jan 11 at Ault's. Several new members are showing interest.

Beaders will return in the spring.

Membership: 26 members signed in with 3 juniors.

Next Rocky Reader will come out for Feb/March.

Metalcrafters meet on Dec 28, and then as scheduled.

Sunshine: Aurthur LaPlant, an old member who left several years ago, has died. Jack Beard died in November.

Field Trips: have trips coming up at the end of March/early April to Kentucky.

Elected officers were installed: Jim Leslie, President; Pete Petersen, Treasurer; Steve Shimatski, Vice President; Carla Burleson, Sergeant at Arms; John Capuano, Secretary; Harold Burleson, Board Member; Mike Mayers, Board Member, Joe Motter, Board Member.

President's Award presented to Ed Reynolds for service above and beyond the call of duty for his work and initiative in organizing the Craft Center repairs, as well as other outstanding club activities.

Members participated in a **raffle** to earn money to fund the Open Houses. Raffle items were contributed by Jim Leslie and Debby Hoffmaster. Donations for next month's raffle will be needed, and should be brought in by anyone wanting to contribute.

Gift Exchange was conducted.

Submitted by Kathy Petersen, Club Secretary

Toledo Gem and Rockhound Board Meeting Minutes 1-15-2007

Meeting **started** at 7:00 p.m.

Board members **present:** Larry Barrick, Jerri Heer, James Leslie, Harold Burleson, Carla Burleson, Linn Petersen, Steve Shimatzki, Suzanne Shimatzki, Joe Motter, John Capuano. **Absent:** Mike Mayers

Discussed the **finance report**, January 01 thru Jan 16, 2006 and the Toledo Gem and Rockhound Club 2007 proposed budget. **Approved 2007 club budget.** It will be submitted to membership at January meeting.

Jerri Heer and Suzanne Shimatzki explained the **proposed budget** for the 2007 show. Voted to accept contracts with Stranahan for Sept. 6-9, 2007, and approved the proposed show budget.

Steve Shimatzki volunteered to do the annual club audit.

We need a MWF volunteer. It was agreed to ask for volunteers at January membership meeting. There are funds to help pay to attend annual meeting. This year's meeting is in Upper Peninsula.

Meeting adjourned at 7:45 p.m.

Submitted by John Capuano, Club secretary

Toledo Gem and Rockhound Club Meeting Minutes 1-17-2007

Toledo Gem and Rockhound Club meeting was held on January 17, 2007.

Program was given by Professor Charlie Onasch. Afterwards, checks for the proceeds from the 2006 show raffle were given to Professor Onasch (for BGSU) and Professor Harrell (for UT).

Meeting started at 8:04 p.m. President Jim Leslie led the Pledge of Allegiance.

Secretary Minutes for the board meeting on Jan. 15, 2007 and this meeting will be submitted to the Rocky Reader.

Treasurer's Report was presented and approved.

Announcements: Need MWF representative, their annual meeting will be in the Upper Peninsula sometime in August. Looking for a volunteer. There are funds available to help pay to attend the meeting.

President Leslie is asking members to bring refreshments to the next meeting. Ruby Reynolds volunteered.

The Dayton Rock Club is looking for guest speakers. Chet King will give information to any member who is interested.

Beaders: Will start on Mon. February 19, 2007 at 6:30 p.m. at Craft Center.

Faceters: Will meet on third Thursday of the month. Contact Don Ault for more information.

Gem Crafters: No special classes are planned. Open cutting every Wednesday except on meeting night.

Metal Craft: Classes in January and February- information in Rocky Reader. Open House in May, Kathy Petersen will have a bracelet class, cost \$60.

Membership: There were 31 members and 5 guests.

Rocky Reader: The deadline for submission is Tuesday afternoon, 22 Jan.

Sunshine: No news – Good news

Field Trips: March 27-April 1 trip to east Kentucky. Participants required to have MSHA training or be certified.

Show: Jerri Heer will list information in Rocky Reader.

Open House: Open House is May 19- 20, 2007. Carla Burleson will have sign up sheet at next monthly meeting.

Other Business: Ben Linzineier and Shannon McVey, students from BGSU, are the recipients of the club scholarship.

New Business: President Jim Leslie handed out 2007 budget proposal. Motion to accept was approved by members. Meeting was adjourned at 8:45 p.m.

Submitted by John Capuano, Club Secretary

CLASSES

The following schedule is a listing of upcoming classes. To enroll, please **send the instructional fee to the instructor**. Fees must be received, at the latest, **TWO weeks prior to the class**.

Refunds will be issued only if cancellations are received seven days prior to the class.

February 24, 2007 10AM. Alloying and using Reticulation silver. Instructor: Debra Hoffmaster. Fee \$20.00. Learn the entire reticulation process from to alloying your scrap silver with copper to creating a sheet through the actual reticulation process. Participants will need to supply their own clean sterling silver scrap .

March 24, 2007 10AM. Keum-boo workshop. Instructor: Debra Hoffmaster. Fee \$20.00. Participants will learn the Keum-boo process. Participants must supply their own 24K gold Keum-boo foil and sterling silver. Keum-boo foil may be purchased from Allcraft (allcraftonline.com, 1-800-645-7124 or Rio Grande www.riogrande.com, 1-800-545-6566).

April 21, 2007 10AM. Black Onyx Gallery Ring. Instructor Debra Hoffmaster. Fee \$45.00. Make Alan Revere's Gallery ring (*Professional Goldsmithing*, project 9) in sterling silver and black onyx.

May 19, 2007 Full Persian (Foxtail) Bracelet. Instructor Kathy Petersen. Fee \$60.00. Limit 8 participants. The project is a Full Persian AKA Foxtail link bracelet. This is a densely woven, intermediate level project. You will need your two chain nose (no teeth) pliers, with preferably one pretty fine (pointy) nosed pair. As you know, these classes have traditionally "sold out" 6 to 8 weeks prior to the class, so get your fees in to Kathy soon to confirm your place in the class.



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**654 Culley Rd
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Owned and Operated by
Ed and Ruby Reynolds,
Club members
By Appointment Only:
419-382-1089 or 419-340-8801



The State Line Club is offering the following classes at their show in June:

June 1, 2007 5:30-6:30PM Silver Art Clay. Instructor Shellie Carder. Fee \$25.00.

June 2, 2007 5:30-6:30PM Silver Art Clay. Instructor Shellie Carder. Fee \$25.00.

June 2, 2007 1-4PM Soapstone Carving. Instructor Sandy Cline. Fee \$15.00

June 2, 2007 10AM - 3PM MSHR Mine Safety Class. Instructor Joel Vicary.

They will also have a "**Beading Rally**" with classes for all levels. For more information about these classes or the rally, contact Doris Brzezicki at 517-263-1669 or rychard@tc3net.com

Thelma Postlewaite's Family News

February Birthdays:

Tonia Wallace	2-1
Diane Klich	2-6
Michelle Hatch	2-8
Ronald Toneff	2-9
Ed Reynolds	2-10
Scheran Newell	2-16
John Kosakowski	2-25
Peggy Jones	2-26
Don Ault	2-26
Sharon Compliment	2-27

March Birthdays:

Deneen Dilworth	3-4
Rena Modisette	3-11
Frank McQueary	3-13
Mark Scheuer	3-13
Emil Stender	3-31

Juniors:

Jennifer Heer	3-16
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Arthur La Plante, a member from way back 'till 1986 died on Thursday December 4. He was 85. He was a very talented wood carver. Submitted by Lucille Burgy, Sunshine

GARDEN NEWS

THE GARDEN, WILL HAVE THE PLANT SALE IN MAY. REMEMBER WE HAVE TO DO ABOUT 200 HRS OF WORK FOR THE GARDEN EACH YEAR. THIS IS A GOOD PLACE TO START. ANY ONE WITH FREE TIME CAN BUILD UP 20 OR MORE HRS IN JUST A FEW DAYS.

Submitted by Chet King Jr.

FACETEERS

The faceters met at the home of Dick and Arline Bower for their December meeting. Members brought along some of the stones they had cut. There was much discussion and exchange of patterns. There were a variety of refreshments as many of the members brought some along in addition to what the Bowers fixed. The January meeting was Thursday, January 11 at the home of Don and Betty Ault. Contact Don Ault for more information about the faceteers and their meetings.

FIELD TRIPS

To be informed of future field trips, please contact Harold Burluson. Please be aware that many quarries now require up to date Mine Safety training for admission. The State Line Club will offer this training at their show in June (see classes, shows)

BEADERS

Providing mother nature does not throw us a curve, we will start meeting again on February 19th at 6:30pm in the craft center. This year you will discover how to use known beading stitches in new and exciting ways. There will be several new bead books to look through for ideas. Needles, thread, beads and looms (for those who have not learned this technique yet) will be available. See you there.

Nancy Grove, Moderator

GEMCRAFTERS

We will have **open cutting** unless some one wants a class on any thing to do with lapidary. We meet every Wed but the 3rd, and the first and third Sundays.

Start saving now for the GemCrafters Auction. The GemCraters will have their Auction in April, so start now to sort out some of the things you have extra of or don't need anymore. We will take most anything that we don't have to feed while we have it. Also bring a lot of money to buy this stuff back!
Chet King, Jr., moderator

METALCRAFTERS

Meetings: The metalcrafters meet on the first and third Sundays of each month at 1:30PM and the second and fourth Thursdays at 6:30PM. **February is the Metalcrafter Auction.** This is our main source of funds for new equipment. All metalcrafters are asked to help out by 1) **donating** finished jewelry, jewelry components, tools or equipment, 2) **attending** the auction and supporting us with your purchases, or 3) **BOTH**. The equipment YOU USE is paid for with these funds. Help us keep the shop well supplied with the tools YOU USE.

If you are new and planning on attending Thursday sessions, or, have been attending but find that you will be late or unable to attend, please call or e-mail Kathy Petersen to let her know this information.

Classes: February brings us a class on alloying scrap into reticulation material and a Keum-boo workshop is scheduled for March. See **Classes** for more information. Deb Hoffmaster, moderator

Coming Events from Chetty King's Flyer Table

March 3&4. Roamin Club Special Auction. Schoolcraft College, Visatech Center Building, 18600 Haggerty Rd., Livonia, MI. Saturday 11-6, Sunday noon-6. **Free Admission.**

March 24. 34th Annual Rock Swap. Democratic Club of Taylor, 23400 Wick Rd, Taylor, MI. Sell, Swap or Buy. Eight ft table - \$15.00. Call 734-525-1684.

May 4-6. Kalamazoo Gem & Mineral Show. Kalamazoo County Expo Center, 2900 Lake St (Fairgrounds). Adults \$3.00, Children under 12 are free.

May 5&6. Cincinnati GeoFair. Cincinnati Gardens, 2250 Seymour Ave. Saturday 10-6, Sunday 11-5. Adults \$7, Children \$2, Parking is free.

June 1-3. Stateline Gem & Mineral Show. Junior Fair Building at the Fulton County Fairgrounds, off Rt108 North of Ohio Turnpike Exit 34. Wauseon, OH. Friday noon -7, Saturday 10-7, Sunday 11-4. **FREE Admission**

Of Interest: Thanks to the quick action of Ed Reynolds, those of us with e-mail were invited to the Toledo Branch of the Archaeological Institute of America's lecture on the Archaeology and Paleontology of Sheridan Cave, OH. I will try to post the 2007/2008 list of AIA lectures in September but , should I forget, it can be found at the Institute's website:

www.eeescience.utoledo.edu/toledo_society/ For the remainder of the 2006/2007 year, the lectures are:

February 23,7:30PM. Nii Quarcoopome, Ph.D. "Terracotta Portraits of the Early Akan Peoples of Ghana and Ivory Coast." Toledo Museum of Art, Little Theatre

March 28, 7:30PM. Donald Easton, Ph.D. "Did the Trojan War Take Place?" Maumee Branch of the Toledo-Lucas County Public Library.

April 18-22. The American Research Center in Egypt (ARCE) is holding its annual meeting in Toledo on April 20-22 (Friday through Sunday) at the Wyndham Hotel in downtown Toledo (next to

COSI). This will include two and a half days of lectures on ancient Egypt by scholars from around the world. For more information see www.eeescience.utoledo.edu/toledo_society.

May 4, 7:30PM George Houston, Ph.D. "How Would the Ancient Romans Have Built a Bridge Over the Maumee River?" Toledo Museum of Art, Little Theatre

For more information contact: James A. Harrell, 419-530-2193, james.harrell@utoledo.edu.

ROTARY FLAT LAPS VS. WHEELS FOR GRINDING, SHAPING AND POLISHING ROCKS.

By Val Carver

There are two basic types of machines available to shape, grind, sand and polish rocks. These are the vertical type wheel machines or the horizontal disc type of machines.

Regardless of the type of grinding/sanding agent being used, that being silicon carbide or diamonds, the following discussion applies equally to both of them.

The basic configuration of a wheeled arbor is that of one or several grinding or sanding wheels lined up in a row sharing a common arbor shaft and driven by a common power source. Perhaps the most common name brand of this type of machine is the Diamond Pacific Genie. This type machine usually has several hard grind wheels for shaping the rock, one or several soft wheels for sanding and usually a vertical disc for polishing.

A rotary flat lap consists of a single interchangeable rotating horizontal disk. The disks have different-sized abrasives bonded to the top. The abrasives come in a variation of sizes from course to very ultra fine with the polishing being done on a disc charged with some type of polish compound. Currently the most popular of this type of machine is the Hi-Tech "All You Need" or the Ameritool "H.D. Universal." The shaping/sanding/polishing of the rock is done on the flat spinning disc surface with the disk being changed from abrasive grade to abrasive grade. With both types of machines you must constantly drip water onto the work surface.

The wheel machines are great for production work. Usually if you have a multi-wheel machine you can move from grinding to sanding to polishing without stopping to change wheels. Please note, it is very hard to polish a true flat on a wheeled machine. Also wheeled machines are strictly limited to the size of rock you can work on. Also note the wheels are usually very close together and more likely than not when operating a wheeled machine you will trim your finger. Last, wheeled machines are bigger, heavier and cost more than an equivalent rotary flat lap.

A small 6" diameter 2-wheeled silicon carbide machine can be had for about \$450.00, a 6"- 6 wheel all-diamond Genie about \$2,045.00 with an 8" - 6" wheeled all-diamond machine going in the range of \$2,100.00 up to \$3,200.00.

The rotary flat lap is great for single piece work. They allow for true flat work as well as shape or contour work (I cut cabs on mine all the time). Rotary flat laps allow for much larger work to be done on them than an equal diameter wheeled arbor type machine. Current rotary flat laps are much more compact and lighter than an equal sized wheel machine. A complete 8" diameter all-diamond rotary flat lap can be had for \$579.00.

I guess my recommendation is that if you want to do production work, get a wheeled machine. If you want to do ones or twos, or do true flat work, get a rotary flat lap. From: *The Rockfinder*, January, 2007 via *The Rock Rustler News*

TESTING FOR SUSPECTED METEORITES

If you think you have a meteorite, the following simple tests will tell if your sample is a candidate for further examination.

1. Does the sample have a dark-colored (typically black) thin exterior coating that shows evidence of melting and is clearly different from the interior (typically light colored)? It is important that you compare the outer surface and interior and this may require removing a small piece of the rock by breaking or sawing with a diamond-impregnated saw blade.
2. Is the sample round?
3. Is the sample very spongy (contain numerous holes)?

4. Is the sample unusually heavy?
5. Does it differ from the rocks typically found in that area?
6. Does the sample attract a magnet?

These simple tests can be helpful in determining if a rock might be a meteorite. Meteorites have exterior surfaces that have been melted during passage through the atmosphere (the fusion crust); they only very rarely contain holes; they are usually solid objects with irregular, but not spherical, shapes; they will be obviously different than the local rocks; they are unusually heavy; and they will attract a magnet.

Some rocks are often confused with meteorites. Industrial slags, commonly used in railroad beds, typically contain numerous holes (vesicles) and the exterior surface, while showing evidence of melting, does not differ from the interior. Iron sulfide and iron oxide concretions are sometimes rounded and can be easily broken. In contrast, it is virtually impossible to break an iron meteorite - they must be cut.

Given recent security concerns, the Division of Meteorites of the Smithsonian Institution is not currently accepting suspected meteorites for examination or testing.

BOOKS ON METEORITES (General)

- Beatty, J. Kelly, Chaikin, Andrew, (1990), *The New Solar System*, Sky Publishing & Cambridge University Press, 326 pp.
- Dodd, R.T. (1981) *Meteorites: A petrologic-chemical synthesis*, Cambridge University Press, 368 pp.
- Dodd, R.T. (1986) *Thunderstones and Shooting Stars: The Meaning of Meteorites*, Harvard University Press, 196 pp.
- Heide, F. and Wlotzka, F. (1995) *Meteorites, Messengers from Space*, Springer-Verlag, New York, 231 pp.
- Hutchison, R. (1983) *The Search for Our Beginning: An Enquiry Based on Meteorite Research Into the Origin of Our Planet and of Life*, British Museum (Natural History) and Oxford University Press, 164 pp.
- Hutchison, R. and Graham, A. (1993) *Meteorites: The Key to Our Existence*, Sterling Publishing Co., Inc., New York, 60 pp.
- Kerridge, J.F. and Matthews, M.S. (1988) *Meteorites and the early Solar System*, The University of Arizona Press, 1269 pp.
- Mason, B. (1962) *Meteorites*, John Wiley and Sons, Inc., New York, 274 pp.
- McSween, H.Y. (1987) *Meteorites and their Parent Bodies*, Cambridge University Press, 233 pp.
- Norton, O.R. (1998) *Rocks from Space*, Second Edition, Mountain Press Publishing Co., Missoula, Montana, 447 pp.
- Wasson, J.T. (1985) *Meteorites: Their Record of Early Solar-System History*, W.H. Freeman and Company, 267 pp.
- Voyage Through the Universe: Comets Asteroids and Meteorites*, (1992), Time-Life Books, Alexandria, VA 144 pp.

BOOKS ON IMPACT CRATERS (General)

- Grieve, R.A.F. et al. (1988) *Astronaut's Guide to Terrestrial Impact Craters*, LPI Technical Report No. 88-03, 89 pp.
- Mark, Kathleen (1987) *Meteorite Craters*, The Univ. of Arizona Press, 288pp.
- Powell, J.W. (1998) *Night Comes to the Cretaceous, Dinosaur Extinction and the Transformation of Modern Geology*. W.H. Freeman and Company, New York, 250 pp. From: <http://www.minerals.si.edu/meteor.htm>;

February

2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4 Metalcraft @ 1:30	5	6	7 Gemcraft @ 7PM	8 Metalcraft @ 6:30PM Faceteers @ 7	9	10
11	12	13	14 Gemcraft @ 7PM	15	16	17
18 Metalcraft @ 1:30	19 Beaders @ 6:30 (if weather permits)	20	21 Club meeting @ 7	22 Metalcraft @ 6:30PM	23	24 Reticulation class @ 10
25	26	27	28 Gemcraft @ 7PM			

March

2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4 Metalcraft @ 1:30	5	6	7 Gemcraft @ 7PM	8 Metalcraft @ 6:30PM Faceteers @ 7	9	10
11	12	13	14 Gemcraft @ 7PM	15	16	17
18 Metalcraft @ 1:30	19 Beaders @ 6:30	20	21 Club meeting @ 7PM	22 Metalcraft @ 6:30PM	23	24 Keum-boo workshop @ 10AM
25	26	27	28 Gemcraft @ 7PM	29	30	31

Debra Hoffmaster,
 Intern Editor,
 950 Michigan Ave
 Adrian, MI 49221
