

Rocky Reader

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The Monthly Newsletter of the
Toledo Gem and Rockhound Club



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November 2011

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Hello Friends!

I am slowly getting things together for my big move. As I do, I find more and more that I want to bring in and leave for the club, and I also find more reminders of the many friends and experiences that I am grateful for because of my association with this group. You people Rock!!... In many, many ways! I hope you all take the time to appreciate each and everyone and their contributions to this organization that has meant so much to me.

I've had a long time to prepare for this move, and one of the most important tasks I set for myself, was insuring that the many hats I have worn, now have other heads to fill them. I am pleased to announce that we now have candidates for all of the elected positions that needed to be filled. The slate will be printed later in this issue.

I have also been successful in recruiting people to fulfill most of my other positions as well. Chet King has agreed to be a back up moderator for Daytime Gemcrafters, Ruth Jacobs is taking on Dealer Chair, and Tom Marok will be working with the Juniors. I still need a Show Co-Chair and an assistant for Tom with Juniors.

The Show Co-Chair is more of an organizational role. The Show really runs very smoothly with most facets covered by the individual committee chairs. What I do is negotiate the contract with the Stranahan, arrange security with the Sheriff's Auxiliary, order tables, conduct committee meetings etc. Because Suzanne is out of town so much, it is vital that she have a Co-Chair to shoulder the responsibility. This year's Show was one of our best, and I want things to continue to be that successful! Please think about helping in this was if you can.

The Juniors are a group that is near and dear to my heart. I started in this club because my kids were involved in Juniors. For some years after they grew up and moved on, the Juniors group dispersed. When I knew I could handle it, I started things up again. I firmly believe that encouraging these young people is the future of our club and rockhounding in general. It is very rewarding to see the spark of interest in their eyes and the satisfaction in their expression when they learn something that they can use. This group meets once a month for two hours, and there are programs and lesson plans available to help. It's not rocket science, people... it just takes an interest in kids. Please call me if you can help.

Our Club is what we make of it, and we are our own greatest resource!
Sincerely, Jerri Heer, President

TG&RC MEETING MINUTES – October 19, 2011

President Jerri Heer called the meeting to order at 7:55 pm and began with the Pledge of Allegiance.

Secretary's Report: Approved by Ruth Jacobs and Elli Ghanime. Motion carried.

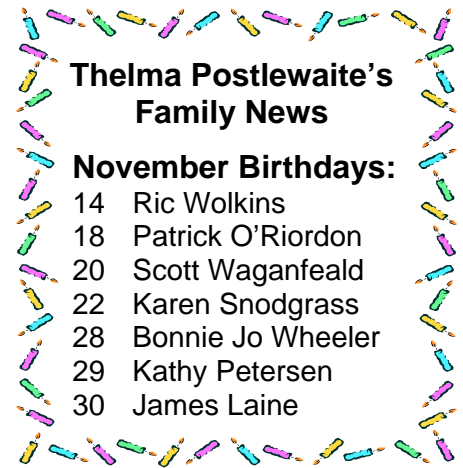
Treasurer's Report: Approval by Ed Reynolds and Kerry Myers. Motion carried.

Old Business:

- a. Rocky Reader -- Need someone to assist entry of info and Suzanne can format it
- b. Board member slate and voting will occur in November

New Business:

- a. Refrigerator in Craft Center required replacement. Jerri paid for replacing it. Bonnie Wheeler moved the club reimburse Jerri and the motion carried unanimously.
- b. Discussion regarding fund raising auctions considering a combination for juniors and faceters.



TBG Liaison: Jerri attended Presidents meeting at TBG

Group Reports

Gemcrafters: Purchased new saw, several new members have attended

Metalcrafters: Temporary suspended with schedule in Rocky Reader

Beaders: November is last month for the year – see calendar

Extreme Beaders: 9am – 5pm each Tuesday all year

Faceteers: As discussed there now will be one Faceters group now so Faceters II will no longer be listed. New members welcome with a session planned November 19 at 10 am

Juniors: 4th Sunday Noon to 2pm

Rocky Reader: Deadline Monday after the meeting

Membership: 39 members

Sunshine: Mike Burcewicz is doing much better in his recuperation

Field Trips: nothing to report

Show: Report on the show with awards was discussed at the start of the meeting. The show with hosting the Midwest Federation was a great success. Income in each primary are was up including a 17+% increase in attendance. Thanks to committee chairs and especially to Jerri and Suzanne!

Open House: is November 11 setup with show on the 12th and 13th. Carla reports the tables are full currently. Let Carla know if anyone has to cancel – call and let her know so someone else can participate.

Hospitality: Diana Holt and Nona Weideman volunteered



Locations of Events: Meetings and open house are in the Conference Center. Other sessions like Metalcraft, Gemcrafters, Beading occurs in the Craft Center.

With no further business the meeting was adjourned at 8:40 pm

Respectfully submitted by Mike Mayers, Secretary

FALL OPEN HOUSE

NOVEMBER 12 AND 13 ARE THE DATES OF THE CLUB OPEN HOUSE. If you signed up for a table and you need to cancel you must call Carla at 419-356-4502 (cell) or you can leave a message at 410-533-7341 (home). There is a waiting list for tables. Set up for open house is Friday Nov. 11th at 6pm. We must be prompt for we only have till 8pm to be set up and we need your help. Any questions call Carla. I look forward to seeing you all there. Members, even if you have not signed up for a table please stop in and see us! The more the merrier. Thank You, Carla

CLUB AUCTION

NOVEMBER 16 IS THE CLUB AUCTION. Please **BRING** things to be sold. Please **BUY** the things that are brought. This auction helps to pay our rent, heat and cool the building, and run the equipment.

CLUB ELECTIONS

The members will be voting for club officers during the November meeting. Here is the current slate for the election. President: Steve Shimatzki, Vice President: John Capuano, Treasurer: Shirly Stieb, Secretary: Mike Mayer, Board: Elie Ghanime, Sgt at Arms: Natalie Hill

JUNIORS

The Juniors had a great time learning about, and cracking open geodes from Indiana, Keokuk and Mexico. Our next two meetings have changed their dates because of the Thanksgiving and Christmas Holidays. We will meet on Sunday, Nov 20 to make Gem Trees, and Sunday, Dec 18 for a Holiday Party. Please RSVP for either date and plan to bring food to share for the Party. I am still seeking a volunteer to commit to assist with Juniors. The commitment is one Sunday per month for two hours. All that is required is a love of rocks, and a willingness to work with kids! Call Jerri at 419-344-9999.

BEADERS

Monthly Beaders meet from 6 PM to 8 PM on the third Monday of the month through November. They resume in February, weather permitting. At the November meeting, patterns for the upcoming year will be disseminated so members can become familiar with them, and obtain any preferred materials. Monthly Beaders generally work on learning various beading techniques and work on selected patterned projects. Basic materials are available for use by new attendees. This is a good opportunity for new beaders to learn basic techniques and learn what beading is all about.

EXTREME BEADERS

Extreme Beaders are now meeting 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 their initial instruction.

METALCRAFTERS

Currently, the metalcrafters are not meeting. I will send an e-mail notification to those of you on the metalcrafter e-mail list once meetings resume.

Deb Hoffmaster, Metalcraft moderator

GEMCRAFTERS

All new members or existing members that need to work in the Gem-craft center to cut and polish cabochon **for the first time**, please call or email Elie or Chet to schedule a meeting slot for your training to complete your first cabochon AND PLEASE LEAVE YOUR FULL NAME AND CONTACT INFORMATION.

DAYTIME GEMCRAFTERS

Meeting every Thursday except Thanksgiving from Noon to 4 PM at the Craft Center. Chet King will be helping to moderate, as Tom Marok will be out of commission for a couple of months due to surgery. If your daytime hours are free, come join us!

UPCOMING FACETING CLASS

Elie Ghanime is organizing a training course on faceting. The course will be divided into two segments in two days Saturday and Sunday. Cost: \$50.00 / Person (everything supplied)

First Segment: "INTRODUCTION TO FACETING"

The introduction to faceting will be given the first day and it will explain the basics to get started, the different type of faceting machines, definitions, how they work, equipment needed, types of Diamond and Polishing laps, polishing compounds, dopes and how to use them, stone transfer, Stone Design Basics and General Terms. The introduction to faceting will prep you for the actual faceting course eliminating the time needed to explain any terminology and what is what in order to have more hands-on faceting, it will also explain the Do's and Don'ts and all the tricks to work smarter, faster and accurate to produce a perfect faceted stone.

Second Segment: "LEARN HOW TO FACET"

The second segment will be given the second day and it will be hands-on cutting your first stone (included with the course fee).

In order to setup the time and dates, Elie needs to know how many members are interested in taking the class. Please note that we have only five machines (unless you bring your own), the class room at the craft center can accommodate only 5 members without the faceting machine and maybe two or three more with their machine "as space permits".

Signing up for the class will be on a first come first serve basis. Previous students could attend the first segment as a refresher course for only \$20.00. If you are interested, please email Elie at eghanime@bext.net



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CLASSES

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

November 12, 2011 10AM. Enameling. FULL. Instructor Harriet Nearing. Fee \$40.00 - payable to Debra Hoffmaster. Learn the scrolling technique to produce enamels with swirling patterns of color. Participants will produce several pieces suitable for use as pins or pendants. Copper blanks will be supplied

January 21, 2012 10AM. Chased and hydraulically formed cuff bracelet. (5 spots open) Instructor Debra Hoffmaster. Fee \$20.00. Use the hydraulic press to raise a cuff bracelet from a strip of chased metal. Participants will need to supply a 2.5" X 6" strip of 24 gage copper or Argentium silver

February 18, 2012 10AM. Clasps, Clasps, Clasps. (2 spots open) Instructor Debra Hoffmaster. Fee \$20.00. Not all clasps are hard to make. Learn to make a variety of simple hook and eye or toggle clasps for bracelets and necklaces. A list of the necessary materials will be available upon registration.

March 17, 2012 10AM. Chainmaille. (5 spots open) Instructor Kathy Petersen. Fee \$20.00. The chainmaille project for March 17, 2012, is a variation on the Backbone bracelet that we did a few years ago. It can be seen on the Blue Buddha Boutique website, <http://www.bluebuddhaboutique.com/supplies/instruction/view.php?id=tunnel>

where materials can also be purchased. It is referred to as Illuminated Tunnel. Depending on your choice of materials, the cost is quite variable. If you want to make a larger version, information regarding sizes to order and sources can be obtained from the instructor, Kathy Petersen. Remember, you are responsible for purchasing and bringing your own materials, clasp and hand tools.

April 21, 2012 10AM. Fold Forming. (3 spots open) Instructor Debra Hoffmaster. Fee \$20.00. Learn to fold metal to create surface texture and volume. A list of the necessary materials will be available upon registration.

April 28, 2012 10AM. Enameling. (4 spots open) Instructor Harriet Nearing. Fee \$40.00 - payable to Debra Hoffmaster. Learn to enamel on flat and fold-formed copper. You do not have to have taken the fold-forming class to register for this class



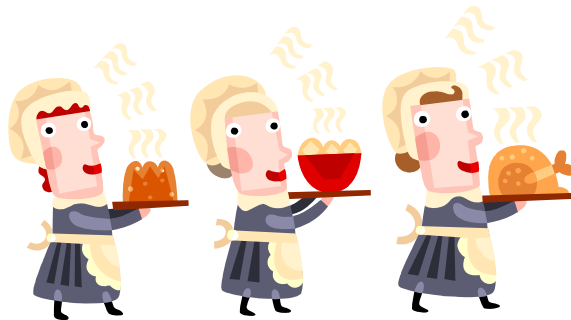
COMING EVENTS

from Chetty King's Flyer Table

November 4-6: Cleveland, OH. Annual Micromineral Symposium, Micromineral Society of the Cleveland Museum of Natural History, Cleveland Museum of Natural History, 1 Wade Oval, Fri 7:30-9:30P, Sat 8:30-5:00, Sun 9:30-3:30, Contact Dick Green, 1745 13th St, Cuyahoga Falls, OH 44223, (330) 929-2395, igreen2@neo.rr.com

November 5: Amherst, OH. Large Mineral and Lapidary Estate Sale, High Quality Mineral Collection, Rocks for Slabbing, Large High Quality Mineral Specimens, High Quality Display Cases, Gem Trees. Petrified Wood, 100's of Slabs, Polished Spheres, plus much more! Cash Only! Saturday 9AM - 4PM. 9394 Grand Oak Dr., Amherst, OH 44001. Dealers welcome after 3pm. EVERYTHING MUST GO.

November 13: BLOOMFIELD HILLS, MI. Annual Auction, Michigan Mineralogical Society, Cranbrook Institute of Science, Auditorium, 39221 N Woodward Ave. The auction will begin at 3 PM and run until 7 PM with a refreshment break in between. It will feature over 100 items, including plenty of quality mineral specimens from the US and worldwide, gemstone jewelry, fossil art, decorative items, books, beads, carvings, and MORE! Items to start as low as \$4. Contact: Mildred Hurt, 1211 E Maxlow, Hazel Park, MI 48030, (248) 398-6693, georgematyas@att.net



A SUCCESSFUL AND SAFE CLUB FIELD TRIP

by David Rich, Midwest Federation Safety / Field Trip Chairman
copied from MWF News, November 2011

Toledo Gem & Rockhound Club (“TGRC”) President Jerri Heer; field trip safety club member, Harold Burleson, and club members Diana Holt, Ruth Jacobs and Natalie Hill know how to plan and execute a safe and enjoyable field trip. Jerri sure had all the right club members involved. Release forms in one hand, coffee in the other, she introduced the field trip safety person, Harold Burleson.

A good, safe field trip plan has liability release forms, hard hats, steel toe shoes, safety glasses, and an experienced guide. All that was needed was 25-30 Midwest Federation field trip-crazed members willing to drive hundreds of miles across several states and time zones. Like magic, in the predawn light September 10, President Jerri got her wish. People from all across the Midwest Federation assembled. When the bus was full, Harold gave us the “safety talk”. He introduced himself as the safety officer for the day and was highly-visible in his bright orange vest. He immediately told the group to come to him with any questions or problems. TGRC provided water, snacks and a first-aid kit for small cuts and scrapes.

A field trip into the Hanson Quarry is a real treat for fossil lovers. We arrived at the front gate right on time. We then met our mine representative. She gave us the site-specific safety talk for the quarry, and noted that it was an active mine. They were actually working the Saturday we were there. She also told us she worked for the company as a geologist.

The MWF group had it all - an expert from the mine, super-friendly club members, and a great site to hunt. It was a great day to be in Toledo, Ohio.

Safety planning is required when a club gets together, but not only on field trips. Safety should be considered for all club events, such as picnics, shows, workshops and classes. I encourage all clubs to have a safety officer in the club’s organization. Even if it’s only for the day, your group should select an experienced person who is willing to advise the new club members on what they are likely to encounter in the field.

You need to be extra careful when traveling to other regions and unknown territory. I know this from personal experience. Hop on a plane, fly west for about 4 hours, rent a truck and drive to a collecting site. Within a very short period of time, you can find yourself in a totally alien environment, one that could cook you like bacon, stick you with cactus needles, wash you away in a flash flood, and leave what’s left of you for the scorpions!

TGRC members were helpful in the field and at the show. Their idea for a field trip to the Hanson Quarry was carefully thought out and planned, and was a wonderful highlight of the Midwest Federation Convention.

For original copy with pictures, see page 3 of the November issue of MWF News. (see link below)

GREAT JOB, TOLEDO GEM & ROCKHOUND CLUB

The Midwest Federation has another flattering 2-page article about the convention and what it takes to pull it all together. They also talked about our show and included a number of pictures. If you have access to a computer and would like to read it, check out pages 7 & 8 of their November newsletter. It can be accessed online at...

<http://www.amfed.org/mwf/Federation/newsletters.html>

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Popular Mineralogy

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Bridging the Gap Between Geologists and Collectors

by Andrew A. Sicree, Ph.D.

Remembering Allen Heyl

Both geology and mineral collecting are fields filled with colorful characters, but all too often, there is a chasm between mineral collectors and their professional counterparts.

Dr. Allen Van Heyl, formerly the U. S. Geological Survey's zinc mineral expert, died at a hospice near his home in Evergreen, Colorado, on October 24th, 2008, at the age of 90. Allen Heyl was a remarkable geologist, combining an expert's knowledge of ore geology with a keen eye for mineral specimens. While many professionals avoid or barely tolerate the questions of amateurs, Dr. Heyl was always willing to spend hours talking with mineral collectors, explaining the science to those of us who were less knowledgeable than he. He'd worked for years in the Illinois-Wisconsin area (the Upper Mississippi Valley zinc-lead district) and in Leadville, Colorado. But he was originally from the East and he was an expert in the minerals of Pennsylvania, New Jersey, and the surrounding states. His long career spanned the second half of the 20th Century, and he knew almost all of the important mineralogists, geologists, and mineral collectors of that epoch. I, along with many other mineral collectors, will miss him.

The following is a brief account of an episode that occurred when I was collecting minerals with Allen Heyl a few years before his death.

The day I almost killed Allen Heyl

I had the honor of getting to know Allen over a dozen years. We first met when I was working on my Ph.D. thesis, studying sphalerite and galena from the Upper Mississippi Valley district in Illinois, Wisconsin, and Iowa. Allen, of course, wrote the seminal paper on the UMV district for the U.S. Geological Survey. He'd been the Survey's

leading zinc mineral expert for decades and knew and understood just about every economic occurrence of zinc mineralization in the U.S. You might say that sphalerite was his friend. I met him when he came to speak at Penn State and he and I became friends. I learned a lot about economic geology and mineralogy from him.

After Allen retired from the Survey, I had the opportunity to spend time with him in the field on numerous occasions when he came to Pennsylvania. When I went to Denver for the Denver Mineral Show, I always tried to stay on for a day or two after the show. Then Allen and I would spend the days driving up and down the Colorado mountains – he knew them intimately.

In particular, I recall spending two days in Leadville, cruising the dumps for minerals. Allen had been the USGS Leadville expert for a number of years and was familiar with every mine in the district. At the time, the EPA was “cleaning up” the old mine dumps – the place had been designated a superfund site – and in the process destroying much of our mining history heritage. The irony was, as Allen pointed out, that the “remediators” were attacking piles of rock that were really old stockpiles of oxide ores – these stockpiles weren't releasing much in the way of toxins – and ignoring the old dumps of sulfide-laced waste rock that were the real problem. Be that as it may, they did us the courtesy of ripping open the well-picked-over stockpiles and exposing new many new specimens, including interesting crystals of chalcophanite (a zinc manganese oxide mineral).

Allen had a sturdy four-wheel drive and would go charging up hills, down roads and crashing through the brush, driving off-road with a confidence I never had. I'd peer down into deep gullies and hang out the window to see if all of our tires were still on the road. At times, I was sure

we'd flip upside down into some brush-filled gulch, but we never did. When we stopped at a dump, I could always rely on Allen's keen eye to pick out (and identify) some unusual mineral.

On one of these September trips to Colorado, Allen wanted to show me an abandoned rare-earth pegmatite mine. I've always been interested in pegmatites – one of the curses of living in central Pennsylvania is a definite lack of pegmatites. Allen and I packed up his four-wheel drive with tools and lunch and headed off into the mountains. It was one of those pleasant, warm fall days in Colorado – beautiful. Allen had had a heart attack about a year before, but you wouldn't know it to watch him. It was, however, something I kept in the back of my mind.

Allen wasn't sure exactly where the mine was – about thirty years had passed since the last time he'd visited it – but he found a low hill that looked right and told me he thought that the mine was near its top. We parked just off the main road, but it was several miles from the nearest house. Allen locked up his four-wheel drive and we trekked up the pine-covered hill. We were a few yards apart as we climbed and a huge boulder loomed up among the trees. I misjudged the size of the boulder. Allen went around one side while I headed around the other. I thought we'd meet up on top.

But when I climbed to the top of the boulder, Allen wasn't there. I scrambled down his side of the boulder. No Allen. Then I went back up again. Still no Allen. Yelled his name – nothing but the trees answered. Yelled louder. Nothing but trees. Yelled even louder. Nothing. Amazing! In a few minutes time, I'd managed to lose him in the woods. I could see all around me – the woods weren't that thick, but I couldn't understand why he didn't hear me yelling.

Starting to get worried, I went up to the top of the hill. No Allen and no pegmatite mine, either. I started a spiraling outward search pattern, stopping from time to time to yell his name and listen. After about forty minutes of this I stopped, took out my GPS and took a location reading to help the rescue crews find their way to the spot. The only thing I could think was that Allen had had another heart attack and had fallen unconscious behind a bush

somewhere on that hillside. I pictured myself going down in history as the guy who killed Allen Heyl.

Now I was in a predicament. Allen had the keys to the four-wheel drive and I was locked out. I'd have to hike down to the road and then a couple of miles back to the nearest house in order to call for help. If he was having a heart attack, time was of the essence.

Then, just as I was hitching up my backpack to push off, when he walks out from behind some rocks. Boy, was I glad to see him. He'd actually gone over the first hill and onto the next, looking for the pegmatite mine – it wasn't there, either. He moved much more quickly than I thought. But by that time, I wasn't disappointed that we didn't find the mine. I was glad to have Allen back in one piece. I never did understand why he didn't hear me yelling, and I never told Allen about my worried hour.

About a month later Allen called me and said me that he'd finally located the mine and told me that he'd take me there the following year. Unfortunately, that never came to pass, although we did continue to collect minerals and visit mines together. He was a great guy and a great geologist. Always willing to teach, always willing to be a friend.

He will be missed.

©2009, Andrew A. Sicree, Ph.D.

How Do You Melt a Rock?

National Geographic regularly depicts glowing rivers of molten rock streaming downhill from the craters on Mauna Loa in Hawaii. This molten rock is called lava, and lava is magma (underground molten rock) that has escaped to the Earth's surface. But how do you produce a magma in the first place?

A common misconception is that the interior of the Earth is molten. Although parts of the Earth's interior are indeed molten (the outer core is molten nickel-iron), the bulk of the Earth's mantle and crust is not molten.

How do magmas form?

In Jules Verne's novel, *Journey to the Center of the Earth*, adventurers descend to the Earth's center and return to tell their tale. In reality, they would've been toast long before they got anywhere near the Earth's core. Temperature increases dramatically as one descends into the Earth. For instance, I once went underground at the Homestake Gold Mine in Lead, South Dakota. After descending nearly 8000 feet, I noted that the mine temperature was about 130°F (54°C). The only way miners can survive in such heat is through air-conditioning. The mining company blew chilled air underground to make work bearable. If we could have continued to descend (and survived the rising temperatures), we would have, in theory, eventually reached a point where rocks began melting.

Every mineral has a melting point, and so too do rocks made up of mineral grains. Because rocks are mixtures of minerals, rocks will not display a nice crisp melting point. Granite, for instance, is composed of quartz, feldspars, micas, and other minerals. The melting temperature of any given granite varies as a function of the minerals present, their compositions, and their relative amounts. But, in general, a granite near the Earth's surface will melt below approximately 1440°F (780°C). Other rocks have different melting temperatures. For comparison, a typical basalt might melt at approximately 1830°F (1000°C) at the surface of the Earth.

The story gets more complicated. For instance, depth in the Earth matters because the pressure on the rocks goes up as one descends into the Earth. Melting increases the volume of a rock, so increases in pressure tend to force the melt back to a solid state. Thus, one typically needs a higher temperature to melt a rock when the pressure increases. The melting point of a rock like granite increases with depth.

This leads to one mechanism for creating a magma. A solid rock, deep within the Earth, at a high temperature will remain solid. But if that rock

is thrust upward without cooling, the confining pressure decreases and it may melt even though the temperature of the rock has not changed. This is called *decompression melting*.

Water complicates the story even more. If one has a "wet" granite (i.e., a system that has both water and granite present), the melting temperature *decreases*, rather than increases, as pressure goes up (i.e., as one descends into the Earth). This is counterintuitive, but a typical granite that melts at approximately 1440°F (780°C) near the Earth's surface could have its melting temperature drop to approximately 1180°F (640°C) at depths of about 12 miles (19 km). In the absence of water, a "dry" granite at the same depth melts at about 1760°F (960°C). A big difference!

Thus, magmas can be formed by three different mechanisms: (1) heat may be added to melt the rock, (2) a decrease in pressure can cause decompression melting, or (3) the addition of water to the "system" can lower the melting temperature of the rock.

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A Lapidary With Real Guts

Would you try your hand at cutting a crystal worth £150,000? On February 10th, 1908 Joseph Asscher picked up a chisel and struck the 3106-carat rough Cullinan Diamond. His intent was to break the fist-sized crystal along one of its natural cleavage planes. The danger was that the world's largest diamond might shatter into hundreds of fragments. His first chisel broke and the diamond remained uncleaved. Sweating a little, Asscher called for another chisel. On his second try the Cullinan cleaved neatly into two halves.

*Dr. Andrew A. Sicree is a professional mineralogist and geochemist residing in Boalsburg, PA. This **Popular Mineralogy** newsletter supplement may not be copied in part or full without express permission of Andrew Sicree. **Popular Mineralogy** newsletter supplements are available on a subscription basis to help mineral clubs produce better newsletters. Write to Andrew A. Sicree, Ph.D., P. O. Box 10664, State College PA 16805, or call (814) 867-6263 or email sicree@verizon.net for more info.*

November

2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 Extreme Beaders 9a-5p Faceteers 6:30p	2 Gemcraft 6:30p	3 Gemcraft 12-4p	4	5
6	7	8 Extreme Beaders 9a-5p	9 Gemcraft 6:30p	10 Gemcraft 12-4p	11	12 Enameling Class 10a Open House 10-5
13 Open House 10-5	14	15 Extreme Beaders 9a-5p	16 Club Mtg 7:00p Club Auction	17 Gemcraft 12-4p	18	19
20 Juniors 12-2p	21 Beaders 6-8p Rocky Reader Deadline	22 Extreme Beaders 9a-5p	23	24 	25	26
27	28	29 Extreme Beaders 9a-5p	30 Gemcraft 6:30p			

Group meetings and classes are for members only. Our club meetings 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.



**Rocky Reader Editor
Suzanne Shmatzki
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