

Summit Gem December 2016

Summit Lapidary Club, 244 Chestnut Blvd., Cuyahoga Falls, Ohio 44221
Phone 330-929-3798

Board Members: Pres. – Andy Carey, V-President – David Frazier,
Treasurer – John Kerr, Secretary – Laurie McElroy, Trustees – Tom McLaughlin,
John Tryon, and Frank Mack, Newsletter Editor – Pat Powers 440-237-6170
SLCnewsletter@AOL.com or mail to 18270 Buccaneer, North Royalton, Ohio 44133

Mission Statement

To afford the opportunity to share interest in lapidary knowledge and working techniques



Monthly Meeting: Tuesday, December 6th at 7PM
At The Quirk Center
1201 Grant Street Cuyahoga Falls



Hosts: Everyone. Please bring Xmas Cookies to share

Dues: Joining fee \$25 then \$48 per year

President's Message – by Andy Carey

Hello Everyone!

I hope everyone had a great Thanksgiving! I would like to take a few minutes to thank everyone who was involved with our New Members Dinner. Special Thanks to JoAnn Harrison and Evelyn Tryon for setting up our meal and program. Our evening was very well attended. This year we had 18 new members come to enjoy the evening and learn a little about their club. Thank you to all of the "old timers" for sharing their knowledge. Please let's all take the time to make our newer folks feel welcome and part of the group!

More special thanks to Laura Thomas for coordinating our Artisans Craft Fair! It is such a well-run program. I love seeing what everyone has been working to create. So much imagination and creativity in our group! Awesome work done by all! Thank you to all who sold and to the volunteers who helped set up.

My most special THANK YOU is saved for Mari Takai-Manley! Mari is retiring as the librarian at the end of December. She has spent many years helping club members expand their knowledge as our caretaker of books. Mari is such a bright light at our club. Always the Teacher. Always Willing and happy to share in order to help others grow. Always the Heart as big as a mountain.

She is our SunShine reporter for a reason! Always Caring and Nurturing. Always my Friend and that makes me feel special. Thank you Mari for being you.

See ya soon, Andy

P.S. December is COOKIE meeting all bring plenty to share!

Summit Lapidary Club, November 1, 2016 General Meeting - Respectfully submitted by Laura McElroy, Secretary SLC

Andy Carey presided

Thank you to Susie Shoffner for setting up & bringing the supplies over each month. Thank you to everyone who brought a snack tonight.

Visitors, Dave Macseoinin: Welcome our new members Roe York, Ron Mateland, Tyler Sikity, & Darby Johnson.

Classes, Dave Macseoinin: 11/8 Hammered bracelet with Laura Thomas. 11/15 Jewelry Jam with Annette Long. 12/13 Auntie Laura's Annual Holiday Earring Extravaganza.

Treasurer, John Kerr: Reported. 2017 Dues are due by the January General Meeting.

Sunshine, Mari Takai-Manley: Pat Powers reported that Bob Powers took a serious slice into his finger.

Library, Doug Shorter: Books and some magazines are listed on the new computer. Doug would like to know what kind of things we would like for him to purchase for the library.

Newsletter, Pat Powers: Extra copies available for visitors. Pat has been Newsletter Editor since 2005. It is a Board position with free dues. If someone would like to take over she will be happy to help them.

Gemboree, Pat Powers for Bob Powers: 20-year records were broken! Vendors were very happy.

Machine Maintenance, David Moore: #2 saw is down. All saws were dirty. Thank you to Michelle Knight for help with the annual machine maintenance cleaning. People- clean up after yourselves, or access to the machines is going to have to change.

GeoJrs, Rob Rothschild: 25 new contacts from Gemboree. On the 3rd Sunday this month (11/20) a volcano professor from Akron U will be presenting as a special guest speaker. About 10 of the Science Olympiad Rock & Mineral group from the Rothschilds family's local school will be visiting.

Old Business:

Artisan Craft Fair, Laura Thomas: November 19, 10am-4pm. Need to fill out a vendor form to participate. Need volunteers for the kitchen, door prize table, to donate soups & desserts. Please remember to supply an ingredients list with any food donations. We will sell hotdogs- please don't bring food that will compete with the hotdogs. Next Tuesday 11/8 will be an artisan fair meeting for all, but especially for new vendors.

New Members dinner at the club November 16. Make sure we have your correct address & email. Please RSVP so we have an idea of how many are attending. Should be receiving your invitations by Monday 11/7.

Christmas Party, Dave & MaryAnn Rich: 12/10, Akron Women's City Club. Money due by the December 6 General Meeting of Summit Lapidary Club.

Big Dig, Dave Rich: Good fun, no injuries. 2 GeoJrs attended at no charge. 2 Michigan people attended & paid their own expenses. 2500 pounds of rock harvested! Doug Shorter suggested that a few people polish up some slabs for Mrs. Nether that she can show off.

Cab Contest, David Frazier: Disappointing turn-out of 4. But the winning cab, by Bob Powers, was fantastic! Maybe another contest in a couple of months.

New Business:

Pat Powers had some time polishing cabs on the Genie & was surprised that it could be done in 40 minutes, instead of all day on the old machines. She suggested that we buy one for in the club. Comments were that the Genie is not suitable for general use, but very nice for private use.

GeoJrs: Rob Rothschild proposed to the Executive Board that we change GeoJr fees in January 2017. New fees will be \$20/family for the year, including crafts.

Motion to adjourn by Dave Macseoinin, David Frazier 2nd.

Classes and Events for– (more details regarding classes and events posted at the clubhouse)

December 6th Tuesday, General Meeting

December 10th Saturday, SLC/AMS Christmas Party

December 13th Tuesday, Earring Extravaganza

December 17th Saturday, Beginning Faceting

December 27th Tuesday, Board Meeting

Gemboree News – by Bob Powers

The last of the Fall 2016 Gemboree invoices and receipts came in to Treasurer Tom McLaughlin and he was able to produce the final financial report. The financial report is provided to both the Akron Mineral Society and Summit Lapidary Club boards, and will be summarized at the SLC meeting.

It's worth repeating that the Show had a record Fall attendance, which is really amazing since it follows our record Spring attendance. People are hearing about the show, attending and coming back again. It's a credit to the organizations and the tremendous active participation of the entire group.

As expected with record Fall attendance, Admissions income was at a high, along with new records for the Gem Mine, Geode Cracking and Silent Auction. Kids Crafts area was busy and had a solid performance thanks to the Lappins' dedicated efforts.

On the expense side of the ledger, though, we took an opportunity to build inventory in Geodes, Silent Auction material and prizes for the Fall Treasure Hunt (which is reported under Silent Auction). The value of this added inventory is not reflected in the financial summary but it will help offset future expenses in those categories.

Thanks to ALL for doing your part in making this a great event run by great organizations!

SLC/AMS Christmas Party – by MaryAnn Rich

The annual SLC/AMS Christmas party will be Saturday Dec 10 at the Akron Woman's City Club 732 W. Exchange Street Akron, Ohio. The cost is \$10.00 per person, if member is a member of both clubs, \$20 per person if member of only one club. Final payment must be made by December 6 at the SLC general membership meeting to reserve your spot.

Both clubs subsidize this event. Social + cash bar 5:30-6:30. The GAME will be after dinner. Bring a wrapped prize or two for the GAME. (At least 1 per person attending please) There is a sign- up sheet at the club house.

Auntie Laura's 2016 Annual Holiday Earring Extravaganza!!



Tuesday
Dec 13th 6-9pm

** come at 5:30 for dinner!
We'll have hot dogs, potato
salad, chips, bring a treat to share!

Ok to bring one non-member Friend or Relative!
Due to the ridiculous price of silver and gold, all findings are
silver/gold-plated. Instructor is offering these items at COST –
rounded to the nearest Quarter \$0.25.

All Makers of Gifts for Yourself or Others are Welcome!

Instructor Notes:

Please Do Not participate if you plan on SELLING the completed items.

Workshops are to learn, have fun, and to socialize, not to profit from the generosity
of club members. Please bring Wire Cutters, Round Nose Pliers, Flat Nose Pliers!

Club tools supply
is limited!!
(keep going
missing!)

*That's my story and I'm sticking to it!
Thanks for your cooperation ;-)*

Artisan Craft Fair Report – by Laura Thomas

Well, we have been doing this show every November since 2011, and this was our biggest show to date. We had 26 vendor/member tables, I think we may have been able to squish in 3 more, and that would be it.

All the tables looked classy, very lovely stuff made by everyone. Thanks so much to the Doug and pinch hitter Skeeter for calling the Door prizes every half hour - that was a new method we tried and seemed to be a huge success.

Thank you Michelle, Wende, Suzanne, Laura McElroy & JoAnn for helping out in the kitchen. If I missed anyone, please accept all our thanks.

I have sent an email to all participants, have heard back from about 2/3, requesting an opinion for next year's show – 1st 2nd and third weekends of November are available. Based on the replies I did receive, the 1st weekend was the most popular. Also, have a few ideas on how we can promote the Artisan Craft Fair at the Gemboree, get more folks to attend.

If the participants that did not respond as yet to the email sent could reply to Laura Thomas before next week's meeting, would greatly appreciate it. We also need ideas from ALL members on how we can promote the show.

Thanks again all for a Big Fun Day.

Proposed Changes to the Summit Lapidary Club Rules and Regulations/By Laws – by Doug Shorter

Summit Lapidary Club by-laws Article V: Dues, section 4.

Change from: “Any member removed from the roll for reason of delinquent dues may reapply for membership. Said member shall be assessed the amount of the delinquent dues or \$ 25.00, whichever is the lesser amount.”

To: Any member removed from the roll for reason of delinquent dues may reapply for membership. Said member shall be assessed the new member initiation fee in addition to the annual dues.” Thank you for your consideration of this change.

Where Does All Earth’s Gold Come From? - Taken from <http://www.geologypage.com/2011/09/where-does-all-earths-gold-come-from.html>

Ultra high precision analyses of some of the oldest rock samples on Earth by researchers at the University of Bristol provides clear evidence that the planet’s accessible reserves of precious metals are the result of a bombardment of meteorites more than 200 million years. The research is published in Nature.

During the formation of Earth, molten iron sank to its centre to make the core. This took with it the vast majority of the planet’s precious metals — such as gold and platinum. In fact, there are enough precious metals in the core to cover the entire surface of Earth with a four-metre thick layer

The removal of gold to the core should leave the outer portion of Earth bereft of bling. However, precious metals are tens to thousands of times more abundant in Earth’s silicate mantle than anticipated. It has previously been argued that this serendipitous over-abundance results from a cataclysmic meteorite shower that hit Earth after the core formed. The full load of meteorite gold was thus added to the mantle alone and not lost to the deep interior.

To test this theory, Dr Matthias Willbold and Professor Tim Elliott of the Bristol Isotope Group in the School of Earth Sciences analysed rocks from Greenland that are nearly four billion years old, collected by Professor Stephen Moorbath of the University of Oxford. These ancient rocks provide a unique window into the composition of our planet shortly after the formation of the core but before the proposed meteorite bombardment.

The researchers determined the tungsten isotopic composition of these rocks. Tungsten (W) is a very rare element (one gram of rock contains only about one ten-millionth of a gram of tungsten) and, like gold and other precious elements, it should have entered the core when it formed. Like most elements, tungsten is composed of several isotopes, atoms with the same chemical characteristics but slightly different masses. Isotopes provide robust fingerprints of the origin of material and the addition of meteorites to Earth would leave a diagnostic mark on its W isotope composition.

Dr Willbold observed a 15 parts per million decrease in the relative abundance of the isotope ¹⁸²W between the Greenland and modern day rocks. This small but significant change is in excellent agreement with that required to explain the excess of accessible gold on Earth as the fortunate by-product of meteorite bombardment.

Dr Willbold said: “Extracting tungsten from the rock samples and analysing its isotopic composition to the precision required was extremely demanding given the small amount of tungsten available in rocks. In fact, we are the first laboratory world-wide that has successfully made such high-quality measurements.”

The impacting meteorites were stirred into Earth’s mantle by gigantic convection processes. A tantalising target for future work is to study how long this process took. Subsequently, geological processes formed the continents and concentrated the precious metals (and tungsten) in ore deposits which are mined today.

Dr Willbold continued: “Our work shows that most of the precious metals on which our economies and many key industrial processes are based have been added to our planet by lucky coincidence when the Earth was hit by about 20 billion tonnes of asteroidal material.”

December Birthstones -taken from www.gemselect.com/otherinfo/december-birthstones.php

If you were born in December, you are lucky to have a choice of three gems on the modern birthstone list; blue topaz, turquoise and tanzanite. Blue is the color for December, and the

traditional birthstone list also includes zircon and lapis lazuli. Here is some useful information about the December birthstones.

Turquoise: Turquoise has been known and valued for thousands of years. The early mines in Sinai, Egypt, were already worked out in 2000 B.C. Today the finest turquoise is found in Iran. Turquoise was first sent to Europe through Turkey, hence its name, which means "Turkish" in French. The brilliant sky-blue color of turquoise has never lost its fascination for gem-lovers. But due to its relative softness (5-6 on the Mohs scale) and its porous character, it requires some care.

Blue Topaz: Topaz of any type is an important jewelry stone due to its hardness (8 on the Mohs scale) and high refractive index. Topaz comes in many colors, including clear, brown, yellow, orange, red, pink and blue. The blue topaz, with a pale to medium blue color created by irradiation can be found in a wide range of sizes at affordable prices. Various shades of blue topaz are available, from pale sky blue to deeper Swiss blue or London blue.

Tanzanite: Tanzanite has become such an important gemstone that in 2002 it was added as an official December birthstone by the American Gem Trade Association. Though tanzanite is extremely popular, it was first discovered only in 1967. The original location in Tanzania is still the only source for tanzanite.

Blue Zircon: Due to its high refractive index and strong dispersion, zircon has great brilliance and intensive fire. The luster is vitreous with a brilliant sheen. Colored stones get a brilliant or step (emerald) cut. Round stones are often given a "zircon" cut, which is similar to a standard round brilliant cut with an extra row of facets at the edges.

Although relatively hard, (rating 6.5 to 7.5 on the Mohs scale), zircon is somewhat brittle and therefore sensitive to knocks and pressure. The gem has the tendency to wear along facet edges. Its use in rings should therefore be limited to protective settings or occasional wear jewelry.

Natural zircon is brown to orange or red. The coveted blue zircon is achieved by heat treatment. But only some zircon has the right physical structure to turn blue when heated. This is why most blue zircon comes from Cambodia.

Lapis Lazuli: Lapis lazuli has been used for thousands of years for jewelry and ornamental objects. Its name is from "lapis", the Latin word for stone, and "azul", the Arabic word for blue. The finest lapis lazuli comes from Badakhshan Province of Northern Afghanistan, where it has been mined continuously for over 6,000 years. The unique deep blue color of lapis has never lost its attraction. An affordable stone for its carat weight, it is popular as a cabochon for rings and bracelets and an all-time classic stone.

Sunshine News – by Mari Takai-Manley

- Dawn Carey is still suffering pain from earlier foot surgery. She is afraid that something went wrong with her recovery. She has scheduled an MRI test to find out what is going on. We wish her luck and a speedy recovery to follow.
- Carolyn Dumke fell from a stair and suffered a sprain. I saw her at our club-members-only artisan show in the cultural center. She was walking carefully with her walker. We wish her speedy healing!
- Laura McElroy is a proud grandmother of Kipling Rainier McElroy who was born on Nov. 7 at 10 lb 11.5 oz and 24" long. Congratulations to his proud parents and all of his family members.

Just a Quick Note... – by Pat Powers

Merry Christmas and Happy New Year...See you in 2017!