

# Rockgrinders Gazette

**ADDRESS:** Lot 1 Bensley Road Macquarie Fields NSW 2564  
**MAIL:** PO Box 477 Ingleburn NSW 1890  
**EMAIL:** ctownlapidaryclub@bigpond.com  
**WEBSITE:** campbelltownlapidary.org.au  
**PHONE:** (02) 9618 3206



## Club rooms opening hours

Monday	9am till 1pm
Wednesday	9am till 1pm
Friday	6pm till 9pm
Saturday	9am till 1pm

July 2016 Ruby Edition

## New members welcome

Interested in: Lapidary, Fossils, Gems, Crystals, Beading, Silversmithing or Lost wax casting in a relaxed friendly environment? Pop in and have a chat.

To all new members, we trust you will enjoy your experiences with us and benefit from our classes. If you have any questions there is a duty officer who will assist you. All members would also love to help you if they can.

### Membership

Single	\$15.00
Family	\$20.00
Pensioner Family	\$15.00
Pensioner / Student	\$10.00
Insurance	\$5.00 per member
Workshop fees	\$2.00
Joining Fee	\$10.00

**NOTE:** You must be an insured member over 12 years of age to use machinery & cutting implements

All visitors are welcome however only members can use machines or gas.

**Membership is due 1st July**

**If you are not financial, you cannot use the equipment.**

## Silver Classes

Silver Casting Classes are now in recess. Barry and Dorothy will be happy to help you when classes resume in September.

## Display cases for the exhibition

Have you prepared your display case for the exhibition? If you don't have one, the club has a small number of cases available for use of members for the exhibition.

Please write your name down on the list at the club so that we know how many display cases to allow for.

## Exhibition 2016

**Its nearly here!** The exhibition will be held at the Greg Percival Centre Ingleburn on the weekend of the 9th and 10th of July. There are many jobs to be done to make this a successful exhibition. Setting up on Friday afternoon and packing up on Sunday. Other jobs to do on the days of the exhibition are the children's table, the canteen, general security - to name a few. We particularly need people to help with the kitchen. You don't have to be there all weekend, but if you can help us with putting in a couple of hours in the kitchen/canteen or helping at the children's table, we would greatly appreciate it.

## Donations still needed!

If you have anything lapidary related that you can donate we would appreciate it. We are after rough, polished stones or jewellery.

## July Workshop - 9.30am 23/7/16

### Rubber tubing necklace. Cost \$15

We will be learning to make a necklace using Tiger Tail and rubber tubing. There will be a variety of designs to copy and to inspire you to make up your own design. We will learn how to use crimping pliers to attach a clasp.

*Everything provided, but bring your jewellery hand tools if you have any.*



## Gemstone of the Month - Zultanite

Zultanite is a relatively new discovery to the jewellery world. First faceted in the late seventies, Zultanite is an extremely rare gemstone that is only found in one place in the world. It is mined by Zultanite Gems, LLC at a remote location in the Anatolian mountains of Turkey directly from the host rock at an altitude exceeding 1300 meters.

It remained a collector's item until Zultanite Gems LLC obtained the mining permit in 2006. The Turkish deposit remains the world's only source of Zultanite (color-change, gem quality diaspore). Zultanite's mineral name "Diaspore", comes from the Greek word "diaspora" meaning "to scatter". While Diaspore was first discovered in 1801 in Mramorskoi, Kossobrod, Ural Mountains, Russia, the Turkish deposit remains the world's only source of Zultanite.

In addition to their colour change, Alexandrite and Zultanite's names both have royal connections, Zultanite being named in honor of The Ottoman Sultans and Alexandrite being named for a Russian Tsar. Zultanite is rarer than Alexandrite as it only comes from one mine in the world.



Under natural or fluorescent light, Zultanite has a kiwi green color, with flashes of yellow. Under incandescent lighting, this shifts to a champagne color, and when exposed to subdued lighting, such as candlelight, diaspore has a pinkish color. The larger the stone, the more pronounced the colour change effect.

Some Zultanite also has the cat's eye effect. Chatoyancy or the cat's eye effect is a

reflection effect that appears as a single bright band of light across the surface of a gemstone. It is caused by the reflection of light by parallel inclusions.



Although it was initially collected by mineral enthusiasts and independent miners in the mid eighties, Zultanite is now mined commercially. Mined by hand with chisels and pick-axes in Turkey's Anatolian Mountains (Milas county of Muğla) at a height of over 4,000 feet, the world's only Zultanite deposit is 12 kms away from the nearest village of Selimiye.

Zultanite tests the skills of even experienced cutters due to the difficulty in correctly orientating each crystal to accentuate its inherent color change. With up to 98% of the crystal lost during cutting, its low yield (2%) makes it very rare and faceted stones over 5 carats are particularly rare.

Diaspore has a hardness of 6.5 to 7 on the Mohs scale, comparable to peridot and tanzanite. It has a refractive index of 1.702 to 1.750, which lies between that of tanzanite and spinel. Diaspore has perfect cleavage in one direction which is another reason why it is challenging to cut.

When buying Zultanite, it is recommended not to buy it from Turkey, its country of origin as many fakes are sold there by unscrupulous dealers, they come with fake certification documents. The fakes are manufactured in India from colour change glass. The colour change effect has been induced by the addition of vanadium, chromium, manganese and iron in varying quantities to produce different colours. There is also another synthetic glass, Zandrite, developed by a major glass manufacturer to mimic Alexandrite, which could also simulate Zultanite to the untrained eye. This glass's colour change is affected by the addition of neodymium. Zultanite is not faceted in Turkey as they do not have the skill level to facet such a difficult stone, it is faceted in Brazil, Canada and India.

## Brad Smith's Bench Tips

### DO BEZELS SHRINK

The engineer in me says there's no reason a bezel should shrink when I solder it onto a base plate, but I sometimes find that the stone won't quite fit into the bezel that was perfect just before soldering. If that ever happens to you, here's a fix that usually works for those times when there's just a minor problem. I file or sand the stone down a little around it's base. For soft cabs like turquoise, lapis, jet or howlite, you can use a sanding stick. Harder cabs like jasper or agates will require a diamond file. In a pinch, a ruby nail file from the drugstore will work.

There are two important things to remember when doing this. First, you can only make a minor adjustment to the stone's size. All filing or sanding has to be hidden by the bezel because it takes the polish off the stone. Secondly, remember to round off all sharp edges on the bottom of the stone. A sharp edge here might sit on a little extra solder that's in the bottom joint of your bezel. Just a little bump here can put enough stress the stone to risk breakage when you burnish the bezel down over the stone.

### STRAIGHTENING WIRE

Have you ever pulled out some silver wire only to find that it's all bent up? The easiest way I've found to straighten it out is to stretch it a bit. Simply put one end in the vise and grab the other end with a pair of serrated tip pliers. Then pull just enough to feel the wire stretch like a rubber band. This works best on smaller wire diameters, up to about 16ga.

Be careful if you are trying to pull hard on a thick wire. Brace yourself in case the wire breaks or pulls out of the pliers.

*Brad Smith's "Bench Tips for Jewelry Making" and "Broom Casting for Creative Jewelry" are available on Amazon*

### July (Ruby) Birthdays

Michael Harley  
Simon Hoare  
Janet Klepatski

Amanda Hanson  
Matthew Jones  
Lil Klepser

Jimmy Hadely  
Amanda Duncan



### Campbelltown Council Elections

Campbelltown council elections are coming up on **Saturday 10th September**. Our wonderful club patron Bob Thompson will be standing for re-election. Bob does so much for our club and it would be wonderful if any members of the club would be able to assist with election leaflet distribution. I will be assisting for the day and it would be really nice to share the job on the day with some other members of the club.

This is our chance to show our appreciation for Bob and the things he does for the club. To name a few things, the new air conditioning, the stainless steel bathroom sinks and many times just working behind the scenes to assist the club with the council. If Bob doesn't get elected, he won't be able to help us with the council.

### Club 50th Anniversary

Our club is turning 50 this year. We are planning on have a special 50th anniversary dinner. This dinner will be in place of the Christmas party. Please put your name down on the list on the whiteboard if you intending to participate. We will need to know numbers soon as we have to book a venue and firm up a date.

## Our wonderful club members

Congratulations to the club for its 50th anniversary and Bob Pullen for being awarded a certificate of recognition for outstanding service to the club. A big thanks to Margaret and Leanne for putting together the submissions for these awards.

Have you ever noticed how neat and tidy our club gardens are. Twice a week Betty Thompson waters, weeds and tends our gardens.

It is people like Betty and Bob who see a need for a job to be done for the club and just quietly and steadfastly complete these jobs continuously over a long period of time. Allowing our club to continue functioning smoothly



## EXCESS CAMPING EQUIPMENT for sale

**Coleman 2 Burner Dual Fuel Stove** (uses Unleaded fuel or White Spirits)

PRICE: \$100.00



**Coleman Dual Fuel Light** (complete with spare Mantles, Hard Carry Case & Reflector)

PRICE: \$50.00

**LP Gas Stove** (complete with carry bag) Brand New never used.

PRICE: \$10.00 (provide your own gas bottle)



**The Aussie Bush Kettle**, (boils 1litre of water in a couple of minutes using twigs & leaves)

PRICE: \$25.00

**12" Bedourie Spun Steel Camp Oven**

Price: \$10.00



**250mm Cast Iron Camp Oven**

PRICE: \$5.00

**Camp Stretcher** (single) very good condition

PRICE: \$10.00



**12) Shower /Toilet Tent.** If you can fold it up you can have it for FREE

**13) 4 Man Tent** 1.4m high and with 300mm walls. Complete with pegs & ropes, as well as a Fly that provides 1.0m protection at each end of the Tent.

PRICE: 20.00

**Contact Ron Dean**

**0438283608**



4 MAN TENT with FLY.  
Fly has 1m overhang each end

## What's On

Events are generally from the Gem and Lapidary Council of NSW

<http://www.gemlapidarycouncilnsw.org.au/events.html>

Other contributions can be made via email to the club [ctownlapidaryclub@bigpond.com](mailto:ctownlapidaryclub@bigpond.com).

We are grateful for any submissions

WHEN	WHAT	WHERE
<b>9-10 July 2016</b>	<b>Campbelltown &amp; District Lapidary Club Gem, Mineral &amp; Jewellery Show</b> Our venue has good lighting and our displays and dealers fill two large rooms. Our members display their lapidary & Silver work & our dealers have amazing fossils, polished gems, rough and slabs, tools and jewellery, including handmade silver items. Special activities for children We also have a large dining room where we serve hot & cold drinks, cakes, slices, pies & sandwiches throughout the day. And best of all we have two days for likeminded people to get together and talk about their favourite pastime.	<b>Greg Percival Community Centre, Ingleburn, NSW</b>  Entry Fees are: Children & Seniors \$3. Adults \$5 and Families \$15.  Open Both days at 9.30am and close on Saturday at 5pm and Sunday at 4pm.
<b>6 &amp; 7 August 2016</b>	<b>Sydney Crystal Show</b> 9am to 5pm, 6 & 7 August 2016. Two full days of incredible natural wonders, unique gifts and treasures. \$10 adults, \$5 kids.	Located at Fraser Park, 100 Marrickville Road, Sydney 350m from Sydenham Station. <a href="http://www.sydneycrystalshow.com">www.sydneycrystalshow.com</a> <a href="https://www.facebook.com/sydneycrystalshow">www.facebook.com/sydneycrystalshow</a>
<b>20 – 21 August 2016</b>	<b>Blaxland Gem &amp; Mineral Club Gem Show</b> Displays of lapidary work and gem, mineral and crystal sales. Refreshments available. Entry Adults \$3 Children \$1	Glenbrook Community Hall Great Western Highway, Glenbrook, NSW (Next to Glenbrook Theatre) Just west of Information Centre. 8 am to 4 pm Daily
<b>1-3 October 2016</b>	<b>GEMKHANA 2016</b> The Annual Gem & Mineral Show and Competition of lapidaries from all over NSW, will be presented by the Lapidary Council of NSW Inc	Hawkesbury Showground, Racecourse Road, Clarendon NSW 2756 over the Labour Day Weekend 1-3 October 2016 9am to 5pm Saturday and Sunday, and 9am to midday on Monday.
<b>8th to 9th October 2016</b>	<b>Gem and Mineral Festival</b> Saturday, 8th October, 2016 from 9am to 5pm and Sunday, 9th October, 2016 from 9am to 4pm by Central Coast Lapidary Club	Mingara Club, Tumby Umbi. For further details please phone 02 4362 2246. Festival organizer is Rob Scott phone number 0405 904 881
<b>15th October 2016</b>	<b>Campbelltown &amp; District Lapidary Club Open Day</b> Open Day on the 15th October and we will be open from 9am to 2pm.	This day will be held in our club rooms and grounds at Lot 1 Bensley Rd. Macquarie Fields
<b>Friday 28 to Sunday 30 October 2016</b>	<b>Gem and Lapidary Exhibition Beecroft.</b> Northern Districts Lapidary Club Gem Show –	Beecroft Community Centre, Beecroft <a href="http://ndlapidary.org.au/gem-show-at-beecroft/">http://ndlapidary.org.au/gem-show-at-beecroft/</a>
<b>Saturday 29 – Sunday 30 October 2016</b>	<b>Spring Gemcraft &amp; Mineral Show</b>	Saturday 29 – Sunday 30 October from 10am to 5pm at Mallee Pavilion, EPIC. Entry \$5 adults, \$10 family, \$2 children/concession. <a href="#">2016 Events Flyer Canberra</a>

Missed out on the last newsletter?

Contact [suzybrandstater@hotmail.com](mailto:suzybrandstater@hotmail.com) and it will be emailed to you.