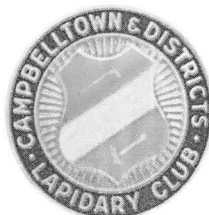


Rockgrinders Gazette

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 2pm
Wednesday	9am till 2pm
Friday	6pm till 9pm
Saturday	9am till 1pm

APRIL 2013 – DIAMOND EDITION

Save the date and spread the word

Early Notice
2013 Gem & Lapidary Show
July 13th & 14th @ the Greg
Percival Centre, Ingleburn
Volunteers needed to help out

Wide range of Lapidary, Fossils, Gems, Crystals, and Beaded Jewellery for sale

New members welcome & Welcome to our new members

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 & 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	\$3.50 per member
Workshop fees	\$2.00

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.

ARE YOU A FINANCIAL MEMBER?

Happy Easter to all our members.

Notice: the Club will be closed over the Easter

Weekend from Thursday 28th March till Wednesday 3rd April.

Workshops

Ron Dean will be conducting silversmith classes on Wednesdays at the club rooms. Costs of materials are calculated per project.

Silver Casting Classes are conducted every Friday evening – please inquire at the Club for future classes

Saturday Workshop

Commence at 9.30 on the fourth Saturday of the month unless otherwise notified. If you wish to use precious metals for larger items (eg bracelet) please book & pay a non-refundable deposit of \$30 towards the purchase of your materials. The final cost will be calculated on the day.

Workshop activities require *member only* use of mechanical tools including the kiln.

Next Workshop

Notice of workshop will be posted on the notice board in the club rooms & we are currently seeking volunteers to share their skills for the workshops

Campbelltown Lapidary Club Open Day & Sausage Sizzle

This event was held on the 16th March 2013 and a great day was had by all. Special thank you to the Club members for helping out and as a promotional activity the day was a success with inquiries for 8 new memberships.

- * Hardness: Diamond is a perfect "10", defining the top of the hardness scale.
- * Clarity: Diamond is transparent over a larger range of wavelengths (from the ultraviolet into the far infrared) than is any other solid or liquid substance - nothing else even comes close.
- * Thermal Conductivity: Diamond conducts heat better than anything - five times better than the second best element, Silver!
- * Melting Point: Diamond has the highest melting point (3820 degrees Kelvin)!
- * Lattice Density: The atoms of Diamond are packed closer together than are the atoms of any other substance!

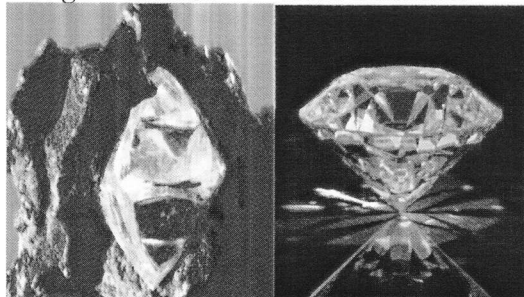
PHYSICAL CHARACTERISTICS:

- * Colour is variable and tends toward pale yellows, browns, greys, and also white, blue, black, reddish, greenish and colourless.
- * Luster is adamantine to waxy.
- * Transparency crystals are transparent to translucent in rough crystals.
- * Crystal System is isometric; 4/m bar 3 2/m
- * Crystal Habits include isometric forms such as cubes and octahedrons, twinning is also seen.
- * Hardness is 10
- * Specific Gravity is 3.5 (above average)
- * Cleavage is perfect in 4 directions forming octahedrons.
- * Fracture is conchoidal.
- * Streak is white.
- * Associated Minerals are limited to those found in kimberlite rock, an ultramafic igneous rock composed mostly of olivine.
- * Other Characteristics: refractive index is 2.4 (very high), dispersion is 0.044, fluorescent.
- * Notable Occurrences include South Africa and other localities throughout Africa, India, Brazil, Russia, Australia, and Arkansas.
- * Best Field Indicator is extreme hardness.

Diamond

Rough Diamond

Blue Diamond



Ref:

http://en.wikipedia.org/wiki/File:Rough_diamond.jpg

Diamond has few weaknesses and many strengths and is the hardest substance found in nature, four times harder than the next hardest natural mineral, corundum (sapphire and ruby). But even as hard as it is, it is not impervious. Diamond has four directions of cleavage, meaning that if it receives a sharp blow in one of these directions it will cleave, or split.

Diamond has a broad colour range, high refraction, high dispersion or fire, very low reactivity to chemicals, rarity, and extreme hardness and durability.

Diamond is the ultimate mineral in several ways:

Ref: Minerals Ebook by Mr. Le Hong Tam, January 5th, 2005
hong.tam@sea.sojitz.com, ajinomotovn@yahoo.com