



Tea Tree Gully Gem & Mineral Club Inc. (TTGGMC)
Clubrooms: Old Tea Tree Gully School, Dowding Terrace, Tea Tree Gully, SA 5091.
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**June.
Edition
2016**

"Rockzette"

Tea Tree Gully Gem & Mineral Club News

In This Edition...	President's Report	Meetings, Courses & Fees.
<ul style="list-style-type: none"> Diary Dates Stop Press President's Report. Club Activities. Meetings, Courses & Fees. Ian's Mineral Purchases – Part B. Guide to Gem Cutting Terms. TTGGMC Bits and Pieces. Fossicking in the Harts Ranges, N.T. General Interest. Members Notice Board. 	<p>Hi All, I collected the draft copy of the new lease from the council on Monday. It is nearly the same as our existing one. So all we need to do is read it and take it back to the council to sign and pay the rent. Cheers, Ian.</p>	<p><u>Meetings (Amended for Jun, Jul, Aug & Sep.)</u> Club meetings are held on the 1st Thursday of each month except January: Committee meetings start at 7.00 pm. General meetings - arrive at 7.30 pm for 8.00 pm start.</p>
Diary Dates	Club Activities	<p><u>Faceting</u> (times to be advised) <i>Course 10 weeks x 2 hours Cost \$20.00.</i> <i>Use of equipment \$1.00 per hour.</i></p>
<p style="text-align: center;">2016</p> <ul style="list-style-type: none"> Mon 27th June, 2016, Don McColl presentation on Specific Gravity at MINSOC rooms. See full details on page 16. Sat 13th – Sun 14th August 2016 Enfield GMC Show. Sat 3rd - Sun 4th Sept 2016 Mildura and District Gem and Mineral Club Annual Show. Sunraysia Masonic Centre Irymple, Calder Highway, Irymple, Victoria. 30th September, 1st October and 2nd October, 2016. Broken Hill Gem and Mineral Show, 'Rock On 2016' Memorial Oval / Showgrounds, Broken Hill, NSW. Second WE of Oct 2016 Adelaide Gem and Mineral Club Show. 	<p><u>Competitions</u> Competitions have been suspended indefinitely and are currently replaced with members showcasing an interesting part of their collection.</p>	<p><u>Lapidary</u> (Tuesday mornings) <i>Course 5 weeks x 2 hours Cost \$10.00.</i> <i>Use of equipment \$1.00 per hour.</i></p>
Stop Press	<p><u>Field Trips</u> No fieldtrips planned during Summer months.</p> <p><u>Library</u> <i>Librarian - Augie Gray</i> There is a 2 month limit on borrowed items.</p>	<p><u>Silver Craft</u> (Friday mornings) <i>Course 5 weeks x 2 hours Cost \$20.00.</i> <i>Use of equipment \$1.00 per hour.</i></p>
<p style="text-align: center;">Amended Winter Club Meetings Arrangement</p> <p>The trial Winter meetings schedule has been amended; it now covers June, July, August and September. That is, on the first Thursday of these months the Committee meeting will start at 3pm and the general meeting will start at 3.30pm.</p>	<p>When borrowing from the lending library, fill out the card at the back of the item, then place the card in the box on the shelf.</p> <p>When returning items, fill in the return date on the card, then place the card at the back of the item.</p>	<p>While some consumable materials are supplied by the club, trainees must supply any additional requirements.</p> <p>Trainees who use the club equipment (for example, magnifying head pieces, faceting equipment, tools, etc.) must return them to the workshop after usage. Trainees are also encouraged to purchase and use their own equipment.</p>
<p>The Tea Tree Gully Gem & Mineral Club Inc. is not and cannot be held responsible or liable for any personal injuries, loss or damage to property at any club activity, including, but not limited to, meetings, field trips, all crafts and club shows. An indemnity is to be signed by all participants before each and every field trip activity they attend.</p>	<p><u>Silver Craft</u> Friday mornings - 9 am to 12 noon. Cost \$20 for new short course attendees. All are welcome.</p> <p><u>Tuesday Craft</u> Tuesday mornings - 11 am to 2.30 pm Faceting, etc. All are welcome. Contact Doug (08 7120 2221) if you would like to learn faceting.</p>	<p>In the interest of providing a safe working environment, it is necessary to ensure individuals using the workshops follow the rules set out in <i>Policy No. 1 - 20/11/2006</i>.</p> <p>It is necessary that <i>Health and Safety</i> regulations <u>are</u> adhered to at all times.</p>
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Ian Everard's Quartz Purchases – Part B.
 Pictured here are some more of Ian's purchases at the Canberra Rock Swap and more at the Palmer Rockarama this year.



Quartz with Calcite
 Huanggang Mine, Hexigten Banner,
 Ulanhad League, Inner Mongolia, China.



Quartz
 Muttama, NSW.



Quartz
 Dutchman Mine, Torrington, NSW.



Green Quartz on Calcite
 Huanggang Mines, Chifeng, Inner Mongolia, China.



Sceptre Quartz
 Huanggang Mine, Hexigten Banner,
 Ulanhad League, Inner Mongolia A.R., China.



Quartz, Calcite and Malachite
 Mexico.



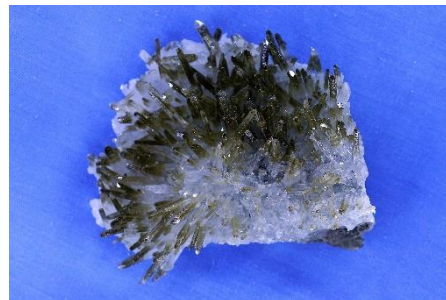
Quartz
 Muttama, NSW.



Quartz
 Muttama, NSW.



Fluorite and Quartz
 Xie Fang Mine, Jiangxi Province, China.



Quartz (Chlorite included) Huanggang Mines, Chifeng,
 Inner Mongolia, China.



Quartz, Pakistan.

Continued next page...



Quartz (Smoky) and Molybdenite
Wolfram Camp, Queensland.



Quartz
Wadnaminga Station, Orlary Province, South Australia.



Quartz var Amethyst and Calcite
Arkaroola, South Australia.

All the remaining quartz specimens are from Muttama, NSW.



Contributed by Doug Hughes...

<https://www.gemsociety.org/article/gem-cutting-terms/>

Guide to Gem Cutting Terms

By Donald Clark, CSM IMG.

Tumbling, cabbing, faceting, and carving are the principal fields of lapidary art. This introduction will get you familiar with these techniques and basic gem cutting terminology.



'Big Teardrop Turquoise Necklace' by Amelia Prayoga is licensed under CC BY-ND 2.0.

Lapidary is the art of working in stone. However, the word is usually used only in reference to working with small gem materials, not large objects like Michelangelo's statues. There are four basic styles of gem cutting: tumbling, cabbing, faceting, and carving. (There are also a number of ways of assembling gem materials to make jewellery, ornamental objects, and mosaic-like patterns. You can learn about these techniques from this article on assembled gemstones). This guide will cover gem cutting terms from the four basic fields. You can learn more about these techniques in the 'Fundamentals of Lapidary' series.

Tumbling

The simplest form of gem cutting is tumbling. Rough gem material is put in a tumbler, a revolving barrel with abrasives. Progressively finer abrasives are used until the gem obtains a polish. This process closely resembles what happens to rocks in a stream or on the beach. However, polish levels are much higher. Tumbling is ideal for children and a great family pastime. (It's a great way to work stones collected on family vacations or rock hunting.) It's easy and requires minimal equipment. Plus, the results are sensational! You can also purchase inexpensive settings and turn tumbled stones into jewellery pieces. They make wonderful homemade gifts.



'Tumbling Rocks' by steveip187 is licensed under CC BY-ND 2.0.

Cabbing

Cabbing or cabochon cutting is probably the most common form of gem cutting. Cabochons or "cabs" are gems that are cut with a flat bottom and a curved or domed top. If you've seen opal or turquoise jewellery, you've probably seen cabs. Cutting cabs can be profitable. Depending on the material they're cut from, cabochons can have significant resale value. This can make cabbing a very rewarding hobby, especially if you're cutting materials you've found yourself. Cabbing is more complex than tumbling, and a cabbing machine is a bit more expensive, but you can become proficient with a little practice. A word of warning: cabochon cutting can be highly addictive!



'Pyrite Dinosaur Bone Cab,' orange-red gembone with pyrite, by Jessa and Mark Anderson is licensed under CC BY 2.0.

"Gembones" are dinosaur bones that have fossilized into minerals such as chalcedony and opal. Some of these unusual pieces are suitable for gem cutting such as cabbing.

Faceting

Faceting is the cutting style with the greatest profit potential. If you can imagine a diamond in a typical engagement ring, you're likely visualizing a faceted gem. The surface of that diamond is covered with several geometrically arranged, flat surfaces. Each of these flat surfaces is called a facet. (Some questions, like gems, can also be "multifaceted").

The purpose of faceting is to bring out the brilliance of a gem. Light entering the stone is reflected off the bottom facets and returned to the viewer. Brilliance shouldn't be confused with dispersion or fire, which is the multi-coloured flashes you see coming out of diamonds and some other gems.



'Diamond Samples-008' by Seth Lemmons is licensed under CC BY 2.0.

Gems are faceted by faceters on faceting machines. There are many kinds of faceting machines. If you want to facet gems for fun or profit, prepare to make a significant investment in equipment. When faceting, more so than the other gem cutting styles, your equipment quality will affect both your results and your enjoyment.

There are also many kinds of faceters. Faceting is an art, but you don't need some esoteric "artistic sense" to be good at it. Machinists, engineers, and those with a knack for math often excel at faceting. Many faceters are semi-professionals. They sell enough gems to support their hobby or supplement their income. For those interested in collecting or investing in gems, this is by far the most practical gem cutting style to learn. The price of rough and labour is almost always less than the wholesale price of the finished gem.

Although you can become good at faceting with a minimum of experience, you'll never run out of new challenges.

Carving

Carving is the most challenging of the lapidary arts. There are very few recognized experts in the field. To succeed at gem carving, you do need a distinctive artistic sense and a thorough understanding of the principles of lapidary. More so than wood or metal, working with gem material presents definite limits to what can be done.

There are several types of carving. One of the best known forms is cameo. These are usually cut from sea shells or agates, but can be carved from almost any material. Cabochons are often carved. If the design is cut into the top of a cab, it's called an intaglio or relief carving. If the design is carved on the back, it's a reverse intaglio. Some carvings are not designed to be used in jewellery. They are cut simply for their beauty. These are classed as standalone carvings.

Carving is perhaps the most difficult gem cutting technique. Cameos and intaglios have been carved since ancient times and highly prized in many cultures and time periods



'Intaglio of a Roman Soldier in Hematite,' with hematite cabochons, by greyloch is licensed under CC BY-SA 2.0.

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Guide to Gem Cutting Terms

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Gem Cutting Nomenclature: Facets

Crown

For both cabs and faceted gems, the top is called the crown.

Girdle

The widest part of the gem, the part that defines its outline, is called the girdle. Viewed from the side, the girdle is usually fairly thin.

Pavilion

The bottom of a faceted gem is called the pavilion.

Mains

The largest facets are called mains. There are both pavilion mains and crown mains.

Table Facet

The large, horizontal facet on the top, the one that acts as a window into the interior of the gem, is called the table facet.

Break Facets

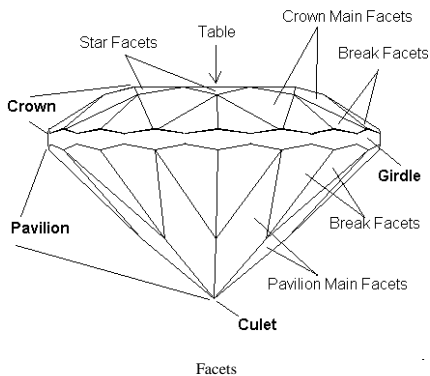
Adjoining the girdle are the break facets. Their purpose is to scatter light, creating more scintillation. There are both crown and pavilion break facets.

Star Facets

The top row of facets, those next to the table, are called star facets. Along with the other crown facets, they serve to control the entry and exit of light from the gem.

Pavilion Facets

The pavilion facets are designed to reflect the light back to the viewer.



Standard Gemstone Shapes

Rounds and ovals are standard shapes in cabbing. Rounds, squares, and rectangles are standard shapes in faceting.

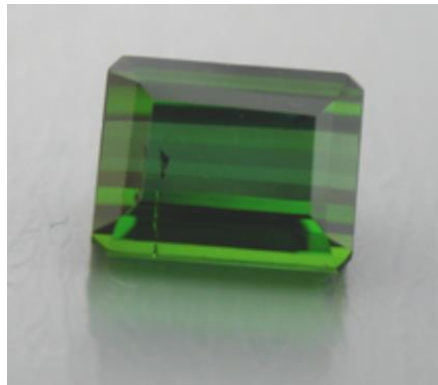
Fancy Cabochon Shapes

Fancy cab shaped gems are anything other than a round or oval. They include rectangles, squares, crosses, tear drops, and freeform shapes.

Fancy Faceted Shapes

Emerald Cut

A rectangle with the corners trimmed off is called an emerald cut.



'Emerald Cut Green Tourmaline', 3.92cts. ©'All That Glitters' used with permission.

Ovals

Ovals are considered fancy shapes for faceting. They take more work to cut than a round.



'Iolite', oval cut, Madagascar, 3.46 cts. ©'All That Glitters' used with permission.

Hearts and Pears

Heart and pear shaped gems are fancy shapes that take even more work than ovals.



'Iolite', oval cut, Madagascar, 3.46 cts. ©'All That Glitters' used with permission.

Marquis Cut

Marquis shapes or navettes are long thin gems with gently curved sides that come to points on the ends.



'Mozambique Tourmaline', marquis cut, 7.36 cts. © All That Glitters, used with permission.

Cushion Cut

Cushions are almost square or rectangular. Their sides are gently curved, like the cushions of a couch.



'Sapphire', fancy radiant cushion baguette cut, 3.26 cts. © Dan Stair Custom Gemstones, used with permission.

Shield Cut

A shield is symmetrical from side to side, but not top to bottom. They come in a variety of proportions with different numbers of sides.



'Merelani Mint Garnet', fancy shield shape, Tanzania, 1.54 cts. © Dan Stair Custom Gemstones, used with permission.

Other fancy shapes include, rhomboids, parallelograms, triangles, hexagons, and octagons.



'Amitrine', Barion octagon cut, Bolivia, 4.48 cts. © Dan Stair Custom Gemstones, used with permission.

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Guide to Gem Cutting Terms

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Faceting Styles

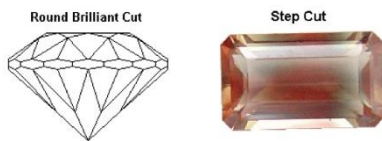
There are two basic styles of faceting: brilliant cuts and step cuts. These styles are often combined. Some cuts combine faceting and cabbing.

Brilliant Cut

Examine the round brilliant diagram below left. It has triangular and kite shaped facets. This style is called a brilliant cut.

Step Cut

A step cut features rectangular shaped facets neatly arranged, one on top of the other. The emerald cut, a cut-cornered rectangle shape shown below right, is the most common example of a step cut.



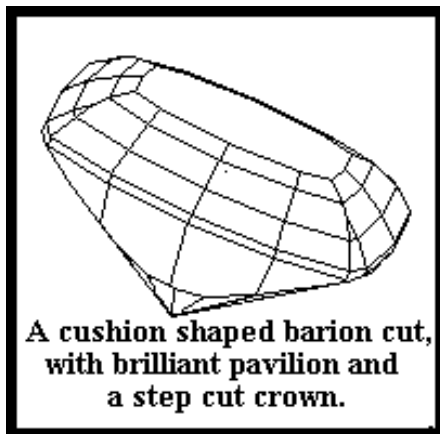
Ceylon Cut

The Ceylon cut has a step cut pavilion and a brilliant cut crown. This is an ancient technique still used in Sri Lanka today. Modern computer studies have shown that the reverse, a step cut crown over a brilliant cut pavilion, will often produce the greatest brilliance.

Barion Cut

The Barion cut was developed by South African diamond cutter Basil Watermeyer. Essentially, it places a round brilliant pavilion into a fancy shaped gem. It usually has a step cut crown as well. This usually results in far greater brilliance than other methods. Interestingly, Mr. Watermeyer invented this cut just before the advent of computer ray tracing programs.

The round brilliant pavilion, compared to other pavilion shapes, offers greater light discipline inside the gem. Barion cuts display a fountain of light effect that is quite striking!



Rose Cut

A gem with a faceted top and a cabbed flat bottom is called a rose cut. Occasionally you'll see a gem with a faceted pavilion and a domed crown, but this is not a standard method of cutting.



Named Cuts

There are standard, well-recognized cuts like round brilliants and emerald cuts. Most faceted gems are simply called by their shape. However, there are many variations within each shape. A triangular gem can have many or few facets, much or little brilliance and scintillation, etc.



Triangle cut variations

And then, there are other traditional, but less common, cuts with distinctive names.

Portuguese Cut

The Portuguese cut has several tiers of facets, which create a wonderful display of light. It has more scintillation than almost any other cut. As you can see from the picture, it requires many facets and requires considerable labour. These factors, in addition to the fact that the rough must have greater than normal depth, make this cut something that is used only occasionally.



'Diaspore', 5-Star Portuguese round, 10.90 cts. Faceted by Stephen Kotlowski. ©All That Glitters, used with permission.

"No Name" And "New Name" Cuts

Some cuts have no name at all. Sometimes, faceters simply use a cut that fits a piece of rough, something that just "works." The red gem below is a good example of this. It's a simple cut with a radiant pavilion.



When the GemCad program was released in the 1980s, people were able to test their gem cutting designs on a computer before taking a stone to a lap. This made it easy for people to create new cuts. Today, there are thousands of new designs. Many of these newly named cuts are simply a means to standardize common techniques. For example, someone may "design" the cut used on this red gem and save it with a computer program. They then have an established method for cutting it that can be referenced and used again. What was once a "no name" cut that just worked for one stone can now become a "new name" cut that could work with other stones.

While most newly named cuts are just variations on standard cuts, some are unique. Indeed, there seems to be no end to the imagination of our lapidaries. There's no limit to shapes or the number and arrangements of facets. Some new cuts are merging a variety of techniques. Below is a Barion cut gem with a parallelogram outline.



Curved Facets

Flat facets are not the only technique available to today's gem cutters.

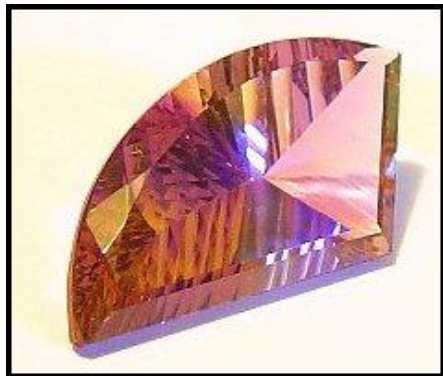
Fantasy Cut

A fantasy cut is a popular style of faceting. This technique uses large pavilion facets. Some simple grooves are used, which are mirrored throughout the pavilion. This Ametrine is an excellent example of a fantasy cut gem.

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Guide to Gem Cutting Terms

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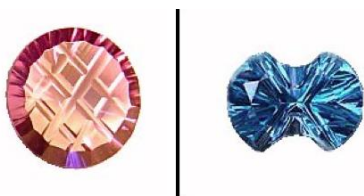
Fantasy Cut Ametrine

Concave Facets

Hand cutting isn't the only way to make precise, concave facets. There are now faceting machines that can accomplish this. The gems are first cut traditionally with flat facets. Then, they're transferred to another machine for an additional set of concave facets. However, the extra labour required for this is so considerable that this technique is unlikely to see widespread use. Nevertheless, as you can see from the picture below, the results are nothing short of spectacular. The brilliance and scintillation exceeds anything that can be done with flat facets alone.



There is no end to what a lapidary can do with gemstones. Keep your eyes open and you're sure to see cuts that are totally unique.



There are always new designs and unusual shapes for gem cutting.

Next Month...

**Lapidary Fundamentals:
Gemstone Tumbling.**

Contributed by Doug Hughes...

Rio Tinto Unveils 'Impossibly Rare' Violet Diamond by Michelle Graff

michelle.graff@nationaljeweler.com

<http://www.nationaljeweler.com/diamonds-gems/supply/4212-rio-tinto-unveils-impossibly-rare-violet-diamond>



The 2.83-carat Argyle Violet is "impossibly rare and limited by nature," said Patrick Coppens, general manager of sales for Rio Tinto Diamonds, and will be "highly sought after for its beauty, size and provenance."

May 6, 2016, Melbourne, Australia...

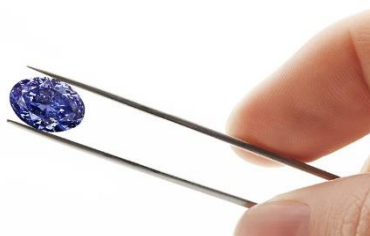
Last year, Rio Tinto made an astounding discovery at its Argyle mine in Western Australia and never said a word about it.

The diamond mining company unearthed a 9.17-carat piece of rough that yielded a stone Rio Tinto Diamonds' Patrick Coppens describes as "impossibly rare"--a 2.83-carat fancy deep grayish blue violet diamond that it dubbed the "Argyle Violet."

It is the largest violet diamond ever recovered from the mine. And now it will embark on a world tour, of sorts, as part of the 2016 Argyle Pink Diamonds Tender.

The Gemological Institute of America assigned the oval-shaped stone a color grade of fancy deep grayish blue violet. In a [peer-reviewed article](#) in the spring 2009 edition of *Gems & Gemology*, the GIA noted that the Argyle mine is the world's only known source of type IaB hydrogen- and nitrogen-rich diamonds colored gray to blue to violet. The article also noted that the more violet-hued stones in this range are colored by nickel defects.

Rio Tinto said the Argyle Violet has a clarity of SI1.



When asked for an estimated sale price, the mining company said it is difficult to know what the stone will sell for given the rarity of violet diamonds but noted that "violet diamonds sit in the limited company of red diamonds as an indicator of value."

In November 2014, Christie's Hong Kong auctioned a [heart-shaped 2.09-carat SI2 fancy red](#) for \$5.1 million, or \$2.44 million per carat.

If the Argyle Violet garners the same per-carat price, its sale price will total nearly \$7 million.

The oval-shaped Argyle Violet will be the star of the 2016 Argyle Pink Diamonds Tender, Rio Tinto's annual sale of rare diamonds from its Argyle mine in Western Australia. The mine produces 90 percent of the world's pink diamonds.

The tender will commence with private trade viewings in June, traveling to Copenhagen, Hong Kong and New York. More details on other diamonds in the tender will be released at its launch in Copenhagen in early June.

The closing bid date for the tender is Oct. 12.

<http://www.theguardian.com/news/datablog/2016/may/21/the-worlds-most-expensive-diamonds-size-isnt-everything>

Saturday 21 May 2016 18:00 AEST

Pamela Duncan and Paddy Allen

The World's most expensive diamonds: size isn't everything.

The Oppenheimer Blue sold for almost £40m at auction in Geneva this week, making it the most expensive diamond ever auctioned. What makes certain stones so special?



The Oppenheimer Blue. Photograph: Fabrice Coffrini/AFP/Getty Images

Diamonds Are Forever, or so the song goes. But in a week when two diamonds, the Unique Pink and the Oppenheimer Blue, sold for \$32m (£21.6m) and \$58m (£39.8m) respectively – the latter a new record at auction – a more fitting title might be Diamonds Are Forever Increasing in Price.

The Unique Pink diamond ring was sold at a Sotheby's auction at the Beau-Rivage hotel in Geneva on Tuesday. A day later, Christie's auctioned the Oppenheimer Blue at the Four Seasons hotel des Bergues, just a two-minute walk along the shore of Lac Léman from the Beau-Rivage.

Lapidary/Faceting Workshops May 2016.



L to R – Russell, Irene, Rod, Augie, Wendy and Sue.



Ian showing Augie, Russell, and Irene his mineral purchases from the Canberra 'Rock Swap' and the Palmer 'Rockarama'.



Augie checking her meet points.



Lunch time - Clockwise from the rear, left – Doug, Russell, Irene, Rod, Augie, Wendy, Sue, and Ian.



Gwen and Augie discussing Gwen's silver work.



A closer look at Gwen's silver work with Quartz (Smoky) in situ.



Gwen, back at the bench with another project.

Augie's May quartz selections...



Himalayan Gwindel Quartz. Rarest Quartz formation in the world



Parallel growth Cumberland habit Smoky Quartz on Calcite with included tufts of fibrous Goethite. From High Street and Interstate 95 interchange, East Haven, New Haven Co., Connecticut, USA.



A small but nice Ashton Quartz. cluster

Augie's May quartz selections continued...



Quartz, Chalcopyrite and Ankerite.
Location: Baia Mare, Maramures, Romania
Size: 20 x 18 x 10 cm



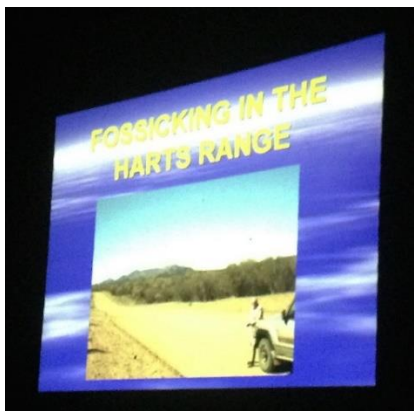
Super aesthetic purple Fluorite perched on Quartz crystals - from Shangbao, Hunan Province, China.



PYRITE on QUARTZ, Wheal Jane, Kea, Cornwall, England
Size: 5.3 x 5 x 2.1 cm



How is this for a 70th Birthday lunch shared with Allen, my son...it was still too much for two. - Salad, cockles, prawns, fish, calamari, and oysters...at the 'Flying Fish', Port Elliott, SA.



Fossicking in the Harts Range, N.T.



May Meeting Presentation by Don McColl; topic 'Harts Range'.

Don McColl's presentation about Harts Range, Northern Territory, was both interesting and informative, and for many members it prompted a reawakening of experiences they have had touring and fossicking in that location over the years.

My response to Don's presentation was to look again at our finds in Harts Range (that is, Janet's, Allen's... who was then only 3yrs old, and Mel's) and attempt to take some photos of some of our cut and polished stones to show in the club newsletter.

Well! What a circus! Either the camera blocked the light from the stones or the camera would not focus for close ups. Eventually, I used the LED light cage I use for photographing Ian's quartz specimens. That combined with holding the camera further away from the object at least worked to some extent.

The result, hereafter, is not a very accurate reproduction when compared with a naked eye view. Nevertheless, I found the outcome most interesting and a little bizarre with spots and objects not normally seen when viewing with the naked eye. The specimens have been enlarged by cropping the picture, but otherwise untouched. Enlarge your computer view to see what I mean.



Zircon 'Pink Champagne', Mud Tank, Harts Range, N.T.



Zircon 'Pink Champagne', Mud Tank, Harts Range, N.T.



Zircon 'Pale Ale', Mud Tank, Harts Range, N.T.



Zircon 'Beer Bottle Brown', Mud Tank, Harts Range, N.T.



Zircon 'Honey Bee', Mud Tank, Harts Range, N.T.



Zircon 'Beer Bottle Brown', Mud Tank, Harts Range, N.T.



Zircon 'Summer Honey', Mud Tank, Harts Range, N.T.



Zircon 'The Wizard at Woz Swamp', Mud Tank, Harts Range, N.T.



Almandine (Garnet) 'Bush Fire', The Jump Up, Harts Range, N.T.



Almandine (Garnet) 'Koala Devil', The Jump Up, Harts Range, N.T.

Contributed by Doug Walker...

History Lesson

- 1...**WHY** do men's clothes have buttons on the right while women's clothes have buttons on the left? **BECAUSE:** When buttons were invented, they were very expensive and worn primarily by the rich. Since most people are right-handed, it is easier to push buttons on the right through holes on the left. Because wealthy women were dressed by maids, dressmakers put the buttons on the maid's right! And, that's where women's buttons have remained since.
- 2...**WHY** do ships and aircraft use 'mayday' as their call for help? **BECAUSE:** This comes from the French word *m'aidez* - meaning 'help me' - and is pronounced, approximately, 'mayday.'
- 3...**WHY** are zero scores in tennis called 'love'? **BECAUSE:** In France, where tennis became popular, the round zero on the scoreboard looked like an egg and was called 'l'oeuf,' which is French for 'the egg.' When tennis was introduced in the US, Americans (naturally), mispronounced it 'love.'
- 4...**WHY** do X's at the end of a letter signify kisses? **BECAUSE:** In the Middle Ages, when many people were unable to read or write, documents were often signed using an X. Kissing the X represented an oath to fulfil obligations specified in the document. The X and the kiss eventually became synonymous.
- 5...**WHY** is shifting responsibility to someone else called 'passing the buck'? **BECAUSE:** In card games, it was once customary to pass an item, called a buck, from player to player to indicate whose turn it was to deal. If a player did not wish to assume the responsibility of dealing, he would 'pass the buck' to the next player.
- 6...**WHY** do people clink their glasses before drinking a toast? **BECAUSE:** In earlier times it used to be common for someone to try to kill an enemy by offering him a poisoned drink. To prove to a guest that a drink was safe, it became customary for a guest to pour a small amount of his drink into the glass of the host. Both men would drink it simultaneously. When a guest trusted his host, he would only touch or clink the host's glass with his own.
- 7...**WHY** are people in the public eye said to be 'in the limelight'? **BECAUSE:** Invented in 1825, limelight was used in lighthouses and theatres by burning a cylinder of lime which produced a

Continued next column...

brilliant light. In the theatre, a performer 'in the limelight' was the centre of attention.

- 8...**WHY** is someone who is feeling great 'on cloud nine'? **BECAUSE:** Types of clouds are numbered according to the altitudes they attain, with nine being the highest cloud. If someone is said to be on cloud nine, that person is floating well above worldly cares.
- 9...**WHY** in golf they use the term 'Caddie' to describe a helper? **BECAUSE:** When Mary Queen of Scots went to France as a young girl, Louis, King of France, learned that she loved the Scots game 'golf.' He had the first course outside of Scotland built for her enjoyment. To make sure she was properly chaperoned (and guarded) while she played, Louis hired cadets from a military school to accompany her. Mary liked this a lot and when she returned to Scotland (not a very good idea in the long run), she took the practice with her. In French, the word cadet is pronounced 'ca-day' and the Scots changed it into caddie.
- 10...**WHY** are many coin collection jar banks shaped like pigs? **BECAUSE:** Long ago, dishes and cookware in Europe were made of dense orange clay called 'pygg'. When people saved coins in jars made of this clay, the jars became known as 'pygg banks.' When an English potter misunderstood the word, he made a container that resembled a pig. And, it caught on.

And, now you know the origins of some of our strange customs.

Contributed by Doug Walker...

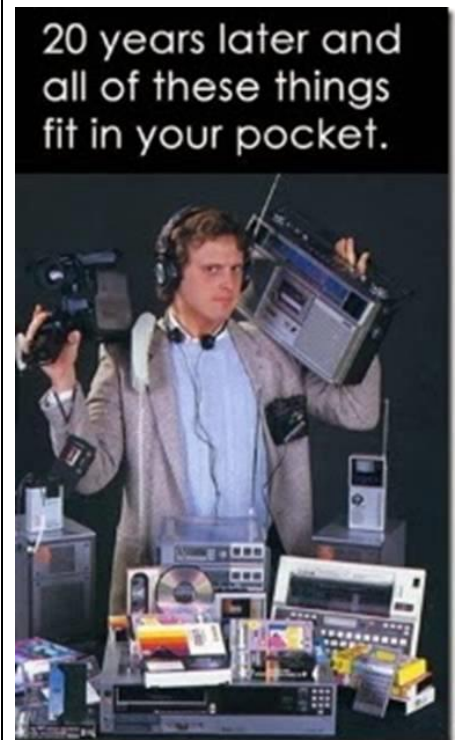
Truisms

- I find it ironic that the colours red, white, and blue stand for freedom, until they're flashing behind you.
- Today a man knocked on my door and asked for a small donation towards the local swimming pool, so I gave him a glass of water.
- Take my advice — I'm not using it.
- My wife and I were happy for twenty years; then we met.
- Television may insult your intelligence, but nothing rubs it in like a computer.
- I bought a vacuum cleaner six months ago and so far all it's been doing is gathering dust.
- If you keep your feet firmly on the ground, you'll have trouble putting on your pants.

Continued next column...

Truisms continued...

- A computer once beat me at chess, but it was no match for me at kick boxing.
- Ever stop to think and forget to start again?
- When I married Ms. Right, I had no idea her first name was Always.
- My wife got 8 out of 10 on her driver's test - the other two guys managed to jump out of her way.
- He who laughs last thinks slowest.
- Is it wrong that only one company makes the game Monopoly?
- Women sometimes make fools of men, but most guys are the do-it-yourself type.
- I was going to give him a nasty look, but he already had one.
- Change is inevitable, except from a vending machine.
- The grass may be greener on the other side but at least you don't have to mow it.
- I like long walks, especially when they're taken by people who annoy me.
- I was going to wear my camouflage shirt today, but I couldn't find it.
- Money is the root of all wealth.
- No matter how much you push the envelope; it'll still be stationery.



Contributed by Doug Walker...

What is Butt Dust?

What, you ask, is 'Butt dust'? What do you do or say, when an innocent child asks you something so innocent and they are so serious? Read on and you'll discover the joy in it! These have to be original and genuine. No adult is this creative!

Melanie (age 5) asked her Granny how old she was. Granny replied she was so old she didn't remember any more. Melanie said, 'If you don't remember you must look in the back of your panties. Mine say five to six.'

Steven (age 3) hugged and kissed his Mom good night. 'I love you so much that when you die I'm going to bury you outside my bedroom window.'

Brittany (age 4) had an ear ache and wanted a pain killer. She tried in vain to take the lid off the bottle. Seeing her frustration, her Mom explained it was a child-proof cap and she'd have to open it for her. Eyes wide with wonder, the little girl asked: 'How does it know it's me?'

Susan (age 4) was drinking juice when she got the hiccups. 'Please don't give me this juice again,' she said, 'It makes my teeth cough.'

DJ (age 4) stepped onto the bathroom scale and asked: 'How much do I cost?'

Clinton (age 5) was in his bedroom looking worried. When his Mom asked what was troubling him, he replied, 'I don't know what'll happen with this bed when I get married. How will my wife fit in it?'

Marc (age 4) was engrossed in a young couple! that were hugging and kissing in a restaurant. Without taking his eyes off them, he asked his dad: 'Why is he whispering in her mouth?'

Tammy (age 4) was with her mother when they met an elderly, rather wrinkled woman her Mom knew. Tammy looked at her for a while and then asked, 'Why doesn't your skin fit your face?'

James (age 4) was listening to a Bible story. His dad read: 'The man named Lot was warned to take his wife and flee out of the city but his wife looked back and was turned to salt.' Concerned, James asked, 'What happened to the flea?'

Charlotte (age 5) was the only young girl taking a karate course with a class of all little boys. One night after a karate session her Father noticed she was limping in pain. When he asked what was wrong? She replied, "I think I got kicked in the nuts!"

Continued next column...

What is Butt Dust? *Continued...*

The Sermon I think this Mom will never forget...This particular Sunday sermon...'Dear Lord,' the minister began, with arms extended toward heaven and a rapturous look on his upturned face. 'Without you, we are but dust....' He would have continued but at that moment my very obedient daughter who was listening leaned over to me and asked quite audibly in her shrill little four-year old girl voice, 'Mom, what is butt dust?'



Contributed by Doug Walker...

Great Truths

1. In my many years I have come to a conclusion that one useless man is a shame, two is a law firm, and three or more is a congress. -- John Adams.
2. If you don't read the newspaper you are uninformed, if you do read the newspaper you are misinformed. -- Mark Twain.
3. Suppose you were an idiot. And suppose you were a member of Congress. But then I repeat myself. -- Mark Twain.
4. I contend that for a nation to try to tax itself into prosperity is like a man standing in a bucket and trying to lift himself up by the handle. --Winston Churchill.
5. A government which robs Peter to pay Paul can always depend on the support of Paul. -- George Bernard Shaw.
6. A liberal is someone who feels a great debt to his fellow man, which debt he proposes to pay off with your money. -- G. Gordon Liddy.
7. Giving money and power to government is like giving whiskey and car keys to teenage boys. -- P.J. O'Rourke, Civil Libertarian.
8. Government's view of the economy could be summed up in a few short phrases: If it moves, tax it. If it keeps moving, regulate it. And if it stops moving, subsidize it. --Ronald Reagan (1986).
9. I don't make jokes, I just watch the government and report the facts. -- Will Rogers.

Continued next column...

Great Truths *Continued...*

10. If you think health care is expensive now, wait until you see what it costs when it's free! -- P. J. O'Rourke.
11. No man's life, liberty, or property is safe while the legislature is in session. -- Mark Twain (1866).
12. Talk is cheap, except when Congress does it. -- Anonymous.
13. The inherent vice of capitalism is the unequal sharing of the blessings. The inherent blessing of socialism is the equal sharing of misery. -- Winston Churchill.
14. The only difference between a tax man and a taxidermist is that the taxidermist leaves the skin. -- Mark Twain.
15. There is no distinctly Native American criminal class, save Congress. -- Mark Twain.
16. What this country needs are more unemployed politicians --Edward Langley, Artist (1928-1995).
17. A government big enough to give you everything you want, is strong enough to take everything you have. -- Thomas Jefferson.

Five Best Sentences

1. You cannot legislate the poor into prosperity, by legislating the wealthy out of prosperity.
2. What one person receives without working for, another person must work for without receiving.
3. The government cannot give to anybody anything that the government does not first take from somebody else.
4. You cannot multiply wealth by dividing it.
5. When half of the people get the idea that they do not have to work, because the other half is going to take care of them, and when the other half gets the idea that it does no good to work, because somebody else is going to get what they work for, that is the beginning of the end of any nation!

Seconds Before Death!

Graphic and Very Chilling!

WARNING – Graphic Boating Incident!
This is a picture of a man with just seconds left to live!

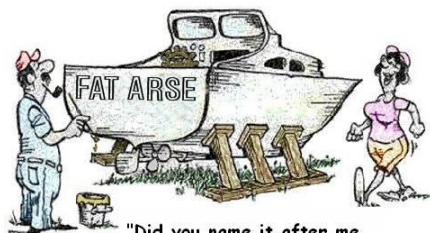
Frightening!

↓↓↓↓

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"Did you name it after me, like you said you would?"

☺☺☺

Contributed by Doug Walker...

MOTHER IN LAW



A big game hunter went on a safari with his wife and mother-in-law. One morning, while still deep in the jungle, the hunter's wife awakened to find her mother gone. She woke her husband, and they both set off in search of the old woman. In a clearing not far from the camp, they came upon a chilling sight. The mother-in-law was standing face to face with a ferocious lion.

"What are we going to do?" his horrified wife asked.

"Nothing," her husband replied, "The lion got himself into this mess, let him get himself out of it....!!!!!!"

☺☺☺



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Contributed by Doug Walker...

Aphorisms

1. The nicest thing about the future is that it always starts tomorrow.
2. Money will buy a fine dog but only kindness will make him wag his tail.
3. If you don't have a sense of humour you probably don't have any sense at all.
4. Seat belts are not as confining as wheelchairs.
5. A good time to keep your mouth shut is when you're in deep water.
6. How come it takes so little time for a child who is afraid of the dark to become a teenager who wants to stay out all night?
7. Business conventions are important because they demonstrate how many people a company can operate without.
8. Why is it that at class reunions you feel younger than everyone else looks?
9. Stroke a cat and you will have a permanent job.
10. No one has more driving ambition than the teenage boy who wants to buy a car.
11. There are no new sins; the old ones just get more publicity.
12. There are worse things than getting a call for a wrong number at 4 a.m. - for example, it could be the right number.
13. No one ever says "It's only a game" when their team is winning.
14. I've reached the age where 'happy hour' is a nap.
15. Be careful about reading the fine print there's no way you're going to like it.
16. The trouble with bucket seats is that not everybody has the same size bucket.
17. Do you realise that, in about 40 years, we'll have thousands of old ladies running around with tattoos?
18. Money can't buy happiness but somehow it's more comfortable to cry in a Cadillac than in a Ford.
19. After 60, if you don't wake up aching in every joint, you're probably dead.
20. Always be yourself because the people that matter don't mind and the ones that mind don't matter.
21. Life isn't tied with a bow but it's still a gift.

And REMEMBER.... "POLITICIANS AND NAPPIS SHOULD BE CHANGED OFTEN AND FOR THE VERY SAME REASON".

☺☺☺

RIP Ronnie Corbett

These are some of his one liners...

There was a fire at the Inland Revenue office in London, but it was put out before any serious good was done.

Mr Wally Turdham has again won the most amorous milkman of the year award. Apparently he's so popular with his lady customers that he's started leaving notes on their doorsteps saying: 'None today, thank you'.

My wife thinks I'm the salt of the earth - that's why she keeps me in the cellar': Ronnie's one liners that made the nation chuckle.

In Sopforth today, the funeral of Britain's most successful door-to-door salesman was called off because every time they tried to close the lid of the coffin, he jammed his foot in it.

It is rumoured that the publishers have recalled the long-awaited book on the history of Sellotape. Apparently, no one can find the beginning.

A grandfather has gone missing after eating four cans of baked beans, two cauliflowers and a jar of gherkins. His family have made an emotional appeal for him not to come home for at least a fortnight.

Ron Knuckles was buried today at a service attended by the criminal underworld. As a mark of respect, the ceremony ended with two minutes' violence.

Tonight, we'll be out and about with the Bishop of Bath and Wells to see him consecrate a swimming pool, bless three wells, confirm a bidet and christen a low-level suite.

Complaints were made following the annual chefs' fancy dress ball last night. A woman dressed only in gooseberries and cream made an improper suggestion to a man dressed in cake and sherry. She made a proper fool of herself and he got a trifle excited.

After a series of crimes in the Glasgow area, Chief Inspector McTavish has announced that he's looking for a man with one eye. If he doesn't find him, he's going to use both eyes.

News of an unfortunate incident at a circus in York this evening: the management took action against the human cannonball and fired him. They said his act was over the heads of the audience.

A disappointing cancellation tonight: the British Rail catering department's Christmas party has been postponed until April to give the sandwiches time to ferment.

☺☺☺

Contributed by Doug Walker...

A Man Sees Things Differently Than a Woman Does

For all men and women that remember the past, how different we are!

A wife was curious when she found an old negative in a drawer and had it made into a print.



She was pleasantly surprised to see that they were of her at a much younger, slimmer time, taken many years ago on one of her first dates with her husband. When she showed him the photo, his face lit up. "Wow, look at that!", he said with appreciation, "That's my old Ford!"

☺☺☺

Contributed by Doug Walker...

The Ultimate Aussie Recycling Achievement



Ingenuity! Now doesn't that make you proud to be an Australian?

☺☺☺

Contributed by Doug Walker...

Are you unemployed or out of work?

Treasurer: I want to talk about the unemployment rate in America.

Prime Minister: Good Subject. Terrible Times. It's 5.6%.

Treasurer: That many people are out of work?

Prime Minister: No, that's 23%.

Treasurer: You just said 5.6%.

Prime Minister: 5.6% Unemployed.

Treasurer: Right 5.6% out of work.

Continued next column...

Are you unemployed or out of work?

Continued from previous column...

Prime Minister: No, that's 23%.

Treasurer: Okay, so it's 23% unemployed.

Prime Minister: No, that's 5.6%.

Treasurer: WAIT A MINUTE. Is it 5.6% or 23%?

Prime Minister: 5.6% are unemployed. 23% are out of work.

Treasurer: If you are out of work you are unemployed.

Prime Minister: No, Congress said you can't count the "Out of Work" as the unemployed. You have to look for work to be unemployed.

Treasurer: BUT THEY ARE OUT OF WORK!!!

Prime Minister: No, you miss his point.

Treasurer: What point?

Prime Minister: Someone who doesn't look for work can't be counted with those who look for work. It wouldn't be fair.

Treasurer: To whom?

Prime Minister: The unemployed.

Treasurer: But ALL of them are out of work.

Prime Minister: No, the unemployed are actively looking for work. Those who are out of work gave up looking and if you give up, you are no longer in the ranks of the unemployed.

Treasurer: So if you're off the unemployment roles that would count as less unemployment?

Prime Minister: Unemployment would go down. Absolutely!

Treasurer: The unemployment just goes down because you don't look for work?

Prime Minister: Absolutely it goes down. That's how it gets to 5.6%. Otherwise it would be 23%.

Treasurer: Wait, I got a question for you. That means there are two ways to bring down the unemployment number?

Prime Minister: Two ways is correct.

Treasurer: Unemployment can go down if someone gets a job?

Prime Minister: Correct.

Treasurer: And unemployment can also go down if you stop looking for a job?

Prime Minister: Bingo.

Continued next column...

Are you unemployed or out of work?

Continued from previous column...

Treasurer: So there are two ways to bring unemployment down, and the easier of the two is to have people stop looking for work.

Prime Minister: Now you're thinking like an Economist.

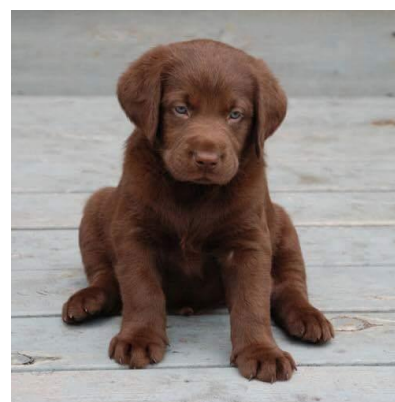
Treasurer: I don't even know what the hell I just said!

Prime Minister: Now you're thinking like a Politician.

☺☺☺

Contributed by Doug Walker...

Dog Lovers Will Understand This!



This is Poppy, I bought her as a present for my wife as birthday surprise last week.

Sadly, it turns out that she has an allergy to dogs. So, it's sad to say, she has to go, and hopefully someone out there may be able to give her a new home.....

Her name is Patricia, she's 55, good personality and not a bad cook, plus she has her own Fidelity account, a 2013 Ford Escape and her own I-pad!

☺☺☺

Who Cares?

Had a bad day? Feel alone and abandoned? Convinced nobody cares about you? Think no one cares about your life...your work? Are you sure nobody sees your successes and failures? And, nobody cares if you live or die?

You are wrong! Somebody is very interested in everything you do! When everybody quits on you...

We never stop thinking of you!



Our flight to Lake Eyre – 1989 – Nancy Lymn.



We left Parafield Airport in Oct 89.
To fly to Lake Eyre is what we had in mind.
We followed the coast line out over the sea.
Where the shore line is followed by the old mangrove tree.



We passed Pt Broughton and Fisherman’s Bay.
As we flew in the sky on that bright summers day.
Then Pt Pirie, Whyalla, Pt Augusta, and on
Till the salty Lake Torrens we gazed upon.



Landed at Leigh Creek for a refueling stop.
Then over Lake Eyre south in our next short hop.
At Lake Eyre north we gazed in awe,
At the water stretching from shore to shore.



The water stretches for miles and miles
And brings to the station owners many happy smiles,
It’s once in a lifetime so much water to see
For normally Lake Eyre is as dry as can be.



Saw Cooper Creek then back to Marree
Where we roamed the town before having our tea
We slept the night in a nice soft bed
Before taking off on the flight ahead.



We gazed in awe from our six seater plane
At the wide open spaces and the sandy red plain
The gum trees growing along the winding creek bed
And the open cuts of Leigh Creek a gleaming black and red.



The misty blue of the Flinders near by
On the horizon, next takes our eye.
The misty blue changes from purple to pink
And in the shadows like blue black ink.



The clicking of our cameras cannot justice do
At the beauty of those mountains in such a glorious hue.
Those softly falling mountains that make up Wilpena Pound
And the gum trees along the creek beds, such beauty there is
found.

Continued next page...



The chequered coloured paddocks soon come into view
 And homesteads nestled here and there we noticed quite a few.
 The color of the lush green grass and the crops a golden hue
 And the little towns so neat and square we see from our birds
 eye view.



Now our flight is nearly over, we are heading for Adelaide and
 home,
 But I'll remember this great experience no matter where I
 roam,
 Now when travelers speak of Lake Eyre and Marree in the
 great outback
 I can grin and cheerfully say now" been there, done that."

Nancy Lynn.

Travel Humour/Wisdom.

“When you come to a fork in the road...take it” – Yogi Berra.
 “Kilometers are shorter than miles. Save gas, take your next trip in
 kilometers.” – George Carlin.
 “If you’ve seen one redwood tree, you’ve seen them all.” – Ronald
 Reagan.
 “Too often travel, instead of broadening the mind, merely lengthens
 the conversations.” — Elizabeth Drew.
 “The major advantage of domestic travel is that, with a few
 exceptions such as Miami, most domestic locations are conveniently
 situated right here in the United States.” – Dave Barry.
 “Thanks to the interstate highway system, it is now possible to travel
 from coast to coast without seeing anything.” – Charles Kuralt.
 “The worst thing about being a tourist is having other tourists
 recognize you as a tourist.” – Russell Baker.
 “You can find your way across this country using burger joints the
 way a navigator uses stars.” – Charles Kuralt.
 “You got to be careful if you don’t know where you’re going,
 because you might not get there.” – Yogi Berra.
 “Do not insult the mother alligator until after you have crossed the
 river.” – Old Haitian Proverb.
 “Canada is the vichyssoise of nations – it’s cold, half French and
 difficult to stir.” – Stuart Keate.

Continued next column...

Travel Humour/Wisdom.

Continued...

“On a New York subway you get fined for spitting, but you can
 throw up for nothing.” – Lewis Grizzard.
 “San Francisco is like granola. Take away all the fruits and the nuts
 and all you have left are the flakes.” – Unknown.
 “France is the only country where the money falls apart and you
 can’t tear the toilet paper.” – Billy Wilder.
 “Boy, those French. They have a different word for everything.” –
 Steve Martin.
 “Climbing K2 or floating the Grand Canyon in an inner tube; some
 things one would rather have done than do.” – Edward Abbey.
 If you are going through hell, keep going.” – Winston Churchill.
 “I told the doctor I broke my leg in two places. He told me to quit
 going to those places”. – Henny Youngman.
 “Two great talkers will not travel far together.” – Spanish Proverb.
 “I dislike feeling at home when I am abroad.” – George Bernard
 Shaw.
 “I had a prejudice against the British until I discovered that fifty
 percent of them were female.” – Raymond Floyd.
 “Living on Earth is expensive, but it does include a free trip around
 the sun every year.” – Unknown.
 “When preparing to travel, lay out all your clothes and all your
 money. Then take half the clothes and twice the money”. –
 Unknown.

Contributed by Doug Walker...

A Chauffeur’s Nightmare

After getting all of Pope Francis's luggage loaded into the limo at the
 airport, (and he doesn't travel light), the driver notices the Pope is
 still standing on the curb. 'Excuse me, Your Holiness,' says the
 driver, 'Would you please take your seat so we can leave?'
 'Well, to tell you the truth,' says the Pope, 'they never let me drive at
 the Vatican, and I'd really like to drive today.' 'I'm sorry, Your
 Holiness, but I cannot let you do that. I'd lose my job! What if
 something should happen?' protests the driver, wishing he'd never
 gone to work that morning. 'Who's going to tell?' asks the Pope with
 a smile. Reluctantly, the driver gets in the back as the Pope climbs in
 behind the wheel.
 The driver quickly regrets his decision when, after exiting the airport,
 the Pontiff floors it, accelerating the limo to 205 kms. (Remember,
 the Pope is Argentinian, and Fangio the famous racer was
 Argentinian.)
 "Please slow down, Your Holiness," pleads the worried driver, but
 the Pope keeps the pedal to the metal until they hear sirens. "Oh, dear
 God, I'm going to lose my license -- and my job!", moans the driver.
 The Pope pulls over and rolls down the window as the cop
 approaches, but the cop takes one look at him, goes back to his
 motorcycle, and gets on the radio. 'I need to talk to the Chief,' he says
 to the dispatcher. The Chief gets on the radio and the cop tells him
 that he's stopped a limo going 205 kph. 'So bust him,' says the Chief.
 'I don't think we want to do that. He's really important,' said the cop.
 The Chief exclaimed, 'All the more reason!' 'No, I mean really
 important,' said the cop with a bit of persistence. The Chief then
 asked, 'Who do you have there, the mayor? Cop: 'Bigger.' Chief: ' A
 senator?' Cop: 'Bigger.' Chief: 'The President?' Cop: 'Bigger.' 'Well,'
 said the Chief, 'who is it?' Cop: 'I think it's God!' The Chief is even
 more puzzled and curious, 'What makes you think it's God?'
 Cop: 'His chauffeur is the Pope!

☺☺☺

Member's Noticeboard

Mineral Society of South Australia Meeting Presentation Invitation.

SPECIFIC GRAVITY

By Don McColl

On the normal monthly meeting of *Monday June 27th, 2016*, Don McColl will do the special presentation hinted at during his first talk this year, at our first meeting in March! This will be a talk and demonstration about Specific Gravity! The aim of the evening is that everyone should go away with a new confidence about how to do a specific gravity measurement in the easiest way possible! There is no need for any of us to be intimidated by these measurements, and feel that they must be left to those with expensive laboratories. It will be illustrated with PowerPoint (that you can read), and it will include a demonstration which will be easily seen by everyone, and if you wish you can try it out for yourself at the meeting. The calculations will be explained in a simple easily understandable manner, and advice given about how these measurements can even be done in the bush, and help you identify all sorts of the trickier specimens. The talk is entitled "*How Heavy is Heavy?*", and everyone is welcome.

For Sale

GEMMASTA GS.10

10 Inch Power Feed Saw

Complete with - Board, Motor and Hood

Excellent Condition

Price New - \$3,100

For Sale - \$1,400

Contact Tony Bailey at 0400293057

Sat 3rd - Sun 4th Sept 2016

Mildura and District Gem and Mineral Club Annual Show. Sunraysia Masonic Centre Irymple, Calder Highway, Irymple, Victoria.

Hi All

It's that time of year again when the members of the Mildura Gem club are getting organized for their Gem & Jewellery Show at the Sunraysia Masonic Lodge 15th Street (Calder Highway) Irymple. The show is on Saturday 3rd and Sunday 4th September. 2016. Starting 0930 to 6pm on Saturday and 9.30 -4.30 on the Sunday. Admission is \$2 Adults, with a chance to win a door prize. One can Stake your claim to try and win a gold nugget. There are dealers from 3 states attending and numerous gem related items are for sale. Gold nuggets, Fossils, jewellery, old books. Club members will have items for sale and display of items from their collections. Light refreshments are available. Demonstration of faceting and display of metal detectors and finds made by members with their detectors. Thank you for your time and attention and hope to see you at the show.

Hellyn Parker Hon. Secretary Mildura & District Gem & Mineral Club Inc.

Useful Internet Links

2016 Australian Gem & Mineral Calendar: [Gem & Mineral Calendar](#)

Adelaide Gem and Mineral Club: [AGMC](#)

AFLACA-GMCASA: [AFLACA-GMCASA](#)

Australian Federation of Lapidary and Allied Crafts Association (AFLACA): [AFLACA](#)

Australian Lapidary Forum: [Australian Lapidary Forum](#)

Broken Hill Mineral Club: [BHMC](#)

Enfield Gem and Mineral Club Inc: [EGMC](#)

Flinders Gem, Geology and Mineral Club Inc: [FGGMC](#)

Gem and Mineral Clubs Association of South Australia: [GMCASA](#)

Metal Detectors - Garrett Australia: [Garrett Australia](#)

Metal Detectors - Miners Den Adelaide: [Miners Den Adelaide](#)

Metal Detectors - Adelaide Agent for Garrett Australia: [Shell Lap Lapidary Supplies Pty Ltd](#)

Mineralogical Society of SA Inc: [MinSoc](#)

Murraylands Gem and Mineral Club Inc: <http://www.murraylandsgmc.org.au/>

NQ Explorers: [NQ Explorers](#)

Prospecting Australia: [Prospecting Australia](#)

Shell-lap Lapidary Supplies: [Shelley's Lapidary Supplies Pty Ltd](#)

Southern Rockhounds: [Southern Rockhounds](#)

The Australian Mineral Collector: [The Australian Mineral Collector](#)