



EDITION No. 22 TERM 4 – WEEK 9, 2017 EDITOR: Pat Spilsbury  
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**IMPORTANT  
NOTICE**

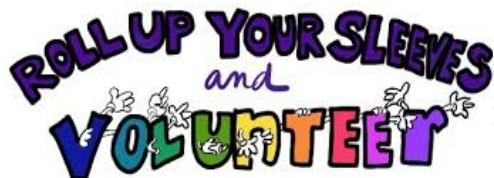
A special general meeting of U3A Goulburn Mulwaree Inc. is to be held at 2pm on Wednesday, December 20th at the U3A Depot, corner of Burke & Combemere Streets to consider the special resolution to change Clause 47 of our current constitution to “*The financial year of the association will commence on 01 January and end 31 December each year*” We hope to see you there.

ANNUAL SUBSCRIPTIONS FOR 2018 From 2018 our annual subscription will be \$50 per person per calendar year (January 1 to December 31) regardless of what time of the year you join, and the \$10 joining fee will be abolished. We are offering a special “Early Bird” Discount and if members pay their 2018 subs in term 4, 2017 by December 13, they will only pay \$40, but after the office closes for the year from December 14 it will be \$50. **YOU CAN PAY at the U3A office in the McDermott Centre on Monday, Tuesday, Wednesday, December 4th, 5th, 6th between 11am & 1pm; at the U3A Annexe on Tuesday, December 5th between 10am & 12 noon; the U3A McDermott office Monday, Tuesday, December 11th & 12th between 11am & 1pm; the U3A Depot Tuesday, December 12th, between 10am & 12 noon and the U3A McDermott office Wednesday, December 13th from 10am till 2pm**



THESE TIMES WILL BE YOUR LAST CHANCE TO PAY BY DECEMBER 13th & PAY ONLY \$40 INSTEAD OF \$50

ENROLLING FOR 2018 CLASSES You will also be able to enrol for classes for Term 1, 2018 at the same times, as above, before the end of the year. Please be reminded that unless you are a financial member of U3A Goulburn Mulwaree you will NOT be able to enrol for any classes – another important reason to renew your membership by December 13



**ROLL UP YOUR SLEEVES & HELP RUN U3A!**

Our U3A has several sub-committees that assist in the decision making and running of our U3A.

So if you feel you've 'got what it takes' – rollup your sleeves and volunteer to join one of the following sub-committees!

GRANTS SUB-COMMITTEE TUTOR DEVELOPMENT SUB-COMMITTEE  
FUNDRAISING SUB-COMMITTEE VENUE SUB-COMMITTEE

**COME TO THE END-OF-TERM GET-TO-GETHER ON MONDAY, DECEMBER 11  
AT THE DEPOT STARTING AT 2pm IF YOU WOULD LIKE TO KNOW MORE**

U3A ANNEXE At the end of this term we will be shutting down the Annexe and all classes and equipment will be transferred to the Depot, corner of Bourke & Combermere Streets.

We would like to thank the *Goulburn Workers Club* for their continuing support and help, especially for the Annexe while the use of the McDermott Centre was uncertain.

U3A DEPOT The Depot is now connected to the NBN and has WI-FI and a new phone number, 4873 5355. The *Nook* at the Depot has been set up as a place to 'chill out' – to watch DVDs, listen to music, read or chat. It is an excellent place for your friend or partner to wait while you are doing a class or for you to wait in between classes at the Depot. If you would like to donate any DVDs or CDs to our library we would love to have them

**WANTED Treadmill with variable speed, inclination and safety cut-off switch**

# Announcements and Upcoming Events

**TEA AND TALK** Don't forget, our last talk of the year at *Chatsbury Gardens* will be on Thursday, 7th December at 2pm where we will be taking a whimsical look at *The Santa Claus Legend* – the legends, beliefs and influences which have led to the development of Santa Claus as we know him to-day and the Christmas traditions with which he is associated. Wear something Christmassy to get into the fun and spirit of things, and who knows - we may even get a visit from the gentleman himself! There is a gold coin donation for the special festive afternoon tea. The first *Tea & Talk* for 2018 will be on Thursday, March 1st – subject T.B.A.

**QUILLS** Quills is for members who do not have computers and internet access and gives them the opportunity to receive the fortnightly Bulletin and any forms and information that is found on our website in printed form so they can keep up with new classes, news of upcoming social and other events etc. Members who do have computers and internet access but wish to receive this information in hard copy will have to enrol in Quills every term to be able to do so as we only get enough copies printed for those enrolled. There is a cost of \$5 per term to cover the cost of printing and members need to pick up the information each fortnight. ***ONLY MEMBERS ENROLLED FOR QUILLS AND HAVE PAID THE \$5 PER TERM WILL BE ABLE TO GET PRINTED COPIES OF THE NEWSLETTER & OTHER INFORMATION***

**HERBAL MEDICINE** Starting back in Term 1 of 2018 will be Jesse Ainsworth's popular *Herbal Medicine* which will be on every Monday from Week 1 (starts February 5th) at the *U3A Depot* from 6pm till 7.30pm. There will be a minimum of 4 and a maximum of 8 learners required so make sure you enrol early to avoid disappointment.

**INTRODUCTION TO TABLET WEAVING** On Thursday, February, 15th, 10am till 11am, at a venue to be announced, Pat St George will be having a talk and demonstration on *Tablet Weaving* to introduce members to this great craft, enrol early – limited places.

**TABLET WEAVING** Following on from his introductory talk and demonstration, Pat will be offering a 5 week course of *Tablet Weaving* and class participants will, during this course will learn to make a piece of weaving to take home, enrol early – limited places.

**LET'S DO LUNCH** Our first *Let's Do Lunch* for 2018 will be on Tuesday, February 13th and will be at the *Goulburn Chinese Restaurant* in Market Street, 12 for 12.30pm which will be an early celebration for Chinese New Year, which starts February 16th. Full details will be available as soon as they are finalised and tickets will go on sale from Monday, February 5th

**LET'S EXPLORE** First 'Explore' of 2018 will be a *Mystery Tour* on February 22nd to a local destination. The second one will be our postponed trip to *Old Mogo Town* on March 22

**CLEOPATRA'S NOSE** *Cleopatra's Nose* will be back in 2018 starting on Friday, February 9th with the topic *The First Chinese Emperor* The famed Terracotta Warriors are only part of the rise of the Chinese Empire says John Miller the Course Leader for this very popular class. Held fortnightly at the Workers Club, new learners are welcome – enrol now.

**WALK 4 HEALTH** Walk off all that excess weight you will put on over the festive season by joining one, or both, of our *Walking 4 Health* groups - Tuesday mornings led by Julian de Cseuz & Pat St George and another on Thursday mornings led by Christine Wright & Pat St George.

***THE TERM 1, 2018 COURSE TIMETABLE WILL BE OUT FRIDAY, DECEMBER 8***



## ***THEATRE TRIPS FOR TERM 1, 2018***

CANBERRA PHILHARMONIC'S "JESUS CHRIST – SUPERSTAR" AT ERINDALE

QUEANBEYAN PLAYER'S *THE WEDDING SINGER* AT THE Q THEATRE

***TICKETS GO ON SALE MONDAY, FEBRUARY 5<sup>th</sup>***





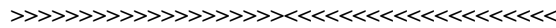
# DECEMBER IS BOWEL CANCER AWARENESS MONTH



## THE FACTS:

- ◆ Australia has one of the highest rates of bowel cancer in the world - 1 in 13
- ◆ Bowel cancer is the third most common type of newly diagnosed cancer in Australia
- ◆ 14,958 Australians are told they have bowel cancer every year, including 1,313 people under the age of 50  
55% diagnosed are men and 45% are women
- ◆ Bowel cancer is Australia's second biggest cancer killer after lung cancer, claiming the lives of 4,162 people every year
- ◆ Bowel cancer risk increases with age, screening from age 50 every 1-2 years could save your life -
- ◆ 90% of bowel cancer cases can be treated successfully if found early

*FOR MORE INFORMATION PLEASE TALK TO YOUR G.P. OR CALL BOWEL CANCER, AUSTRALIA'S HELPLINE ON 1800 555 494 OR VISIT THEIR WEBSITE [www.bowelcanceraustralia.org](http://www.bowelcanceraustralia.org)*



## U3A PHOTOGRAPHY SPECIAL INTEREST GROUP (S.I.G.)

Below is a photo by Pat St George of our *Photography S.I.G.* entitled “*Myanmar Sunset*” taken when he visited Myanmar. Myanmar (formerly Burma) is a Southeast Asian nation, of more than 100 ethnic groups, bordering India, Bangladesh, China , Laos, Thailand, the Bay of Bengal and the Andaman Sea. *Many thanks to Patrick for sharing this beautiful, tranquil image.*



**WORDS** Spoken and written words are all about communication. Spelling, grammar and punctuation are all about removing ambiguity and improving the efficiency of the communication of ideas.



We have seen that English is expanding by adding new words and borrowing words from other languages. Often the initial spelling and meaning of a borrowed words undergoes rapid change and evolution as it becomes part of language.

There is a fairly modern trend to be overly picky and pedantic about spelling and punctuation, everybody would know someone like this, and while this helps regularize the language it sometimes leads to pedantic worrying about the form than the meaning.

American English often uses different spelling for some words but who would be confused by seeing color instead of colour or even if it was mis-spelt as colore?

Claude Shannon is noted for having founded information theory in 1948. His theory shows that English has a high level of redundancy.

The following text from ~400 years ago will take longer to read and to decode but the idea communicated is still very clear.

"The English speach doth still encroche vpon it [Cornish], and hath driuen the same into the vttermost skirts of the shire. Most of the Inhabitants can no word of Cornish; but very few are ignorant of the English. Richard Carew, The Survey of Cornwall (1602)"

**NUMBERS** The history of numbers has Pythagoras of Samos (570–495 BCE) as a milestone in the investigation of numbers as things in their own right as opposed to an indication of how many sheep you own.

Pythagoras was credited with many mathematical and scientific discoveries, including the Pythagorean theorem, Pythagorean tuning, the five regular solids, the Theory of Proportions, the sphericity of the Earth, and the identity of the morning and evening stars as the planet Venus. It was said that he was the first man to call himself a philosopher ("lover of wisdom").

That some triangles of certain sides (3,4,5 etc) produced a right-angle triangle had been known for many years and was extremely useful in measuring fields or building pyramids.

However the Pythagorean theorem PROVED the relationship between the length of the sides of ALL right-angle triangles. A giant leap forward for mankind and mathematics.

Still Pythagoras was handicapped in that he could only express numbers as integers (whole numbers ie 1,2,3,4,5 etc) or ratios ie 1 sheep divided into 2 parts (1/2). The problem was that the ratios could only use integers (ie 3/4, 129/567 etc) but some numbers could not be expressed as either a whole number or a ratio using whole numbers. Since these numbers could not be represented by a ratio then they were called irrational numbers.

As an example, the numbers 1, 2, 3, 4 when squared become 1, 4, 9, 16. The square-root is the inverse of squaring, so when the numbers 1, 4, 9, 16 are square-rooted they become 1, 2, 3, 4.

However the square-root of: 1 is 1; 2 is an irrational number; 3 is an irrational number; 4 is 2.

Geometry did not have this problem. Numbers in geometry were often expressed as the lengths of lines. It is possible in geometry to make lines that equal to the square-roots of 1, 2, 3, 4.

Euclid of Alexandria (323 - 283 BCE) deduced the principles of what is now called Euclidean geometry from a small set of axioms. His Elements is one of the most influential works in the history of mathematics, serving as the main textbook for teaching mathematics (especially geometry) from the time of its publication until the late 19th or early 20th century.

Euclid also wrote works on perspective, conic sections, spherical geometry, number theory, and rigor.

The study of geometry would be the next step in the history of numbers.

*We wish our members a very happy Christmas and a safe & healthy New Year*