

July 2024

CARRICK NEWSLETTER

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www.u3acarrick.org.uk

U3A Carrick

Registered Charity No 1034910

U3A MEETINGS

Monthly Meeting, Carnon Downs Village Hall. There is no meeting in July. See entry in Group News section for more information.

ANNOUNCEMENTS

A VIEW FROM THE CHAIR

On 1st June we held our third Quiz night. This time with a ploughman's supper, which was more complicated than pasties but seemed well received. Despite the question team having a little difficulty getting the music round to play at any sort of volume, CD Players were triumphant for a second time, so there is a challenge for you for future quizzes. Another fun evening, thanks to all those who attended.

14th July is our **Garden Party**, at kind invitation of Jean King. There are an increasing number of entertainments and stalls being planned, so please do come along armed with small change and make good use of the tombola, book and plant stall, treasure hunt(s) and guess the weight of the cake, as well as garden games and musical entertainment by Carrick Consort.

Sue is still collecting names for donations of small "finger" cakes to go with the tea/coffee on offer.

Coach trips seem to be a popular suggestion. I have had 6 people express an interest in the **10th August** trip to Saltram House, Plymouth and another 6 in the Sunday, not Saturday as per my previous advert, **18th August** trip to Rosemoor flower show. If anyone else is interested please contact me in the first instance, as soon as possible, so I can keep numbers together for negotiation purposes.

We have been given a number of suggestions of destinations for other trips and I will be discussing them with the coach company to establish possible dates and prices.

One of our members has kindly expressed an interest in organising **Theatre or concert trips**, for which transport can also be provided by coach, so look out for more information about those soon.

Monthly meetings should be a stalwart of u3as, these are the meetings where new and prospective members can come along for an interesting presentation, and get to know other members and groups leaders and committee members and discover more about u3a generally.

The Truro group is the remaining monthly meeting and the committee are working to raise the profile and accessibility of this group. Finding a suitable venue has been a challenge, and may have to be a flexible part of the Monthly event, as is the day and time of the meeting, which ideally will suit the majority of the membership of Carrick u3a. If you have suggestions about venues and timing, please let me know.

If you know of anyone who can offer a talk or activity for a monthly meeting, please let me know.

There are two charity draw announcements this month, and a form for those of you who would like to enter but keep forgetting.

Summer is almost upon us; I hope those of you going away on holidays have a good time. See you next month.

Lesley Parsons, Chair 01209 314810 chair@u3acarrick.org.uk

UNIVERSITY LIAISON

The University Liaison project is arranging a follow-up talk by the PhD students who gave the presentation to u3a Carrick last year. The proposed date for the talk is Tuesday, **16th July** at 10:00 a.m. and will take place on the Tremough Campus; there may be cakes. Please make a space on your calendar and if you email me that you are interested, we will confirm as soon as possible. See Group News.

Mike Rogers 07753249550 universityliaison@u3acarrick.org.uk

GARDEN PARTY

Weather permitting, we are planning to hold a Garden Party on Sunday **14th July 2:00 – 4:00 p.m.** Jean King has kindly offered to host the party at Medlar Cottage, St Piran's Hill, Perranwell TR3 7PY. Parking will be on the street so please park prettily.

Entrance will be free, entertainment will be provided by the Carrick Consort, drinks and cakes will be available to purchase and there will be a selection of traditional activities to enjoy. This is one of our fundraising events so please come along and support us. Jean is hoping all the ladies will wear a hat, although this is not of course compulsory.

If anyone has any donations, e.g. books, cakes, tombola prizes etc., is able to help or has ideas for games please contact vicechair@u3acarrick.org.uk

If the weather is inclement, a decision will be made by 12:00 noon on Sunday **14th July** as to whether it will go ahead. If in doubt, please contact myself or Lesley.

Sue Hutt 01872 864494 vicechair@u3acarrick.org.uk
Lesley Parsons 01209 314810 chair@u3acarrick.org.uk

DRAW WINNERS

Congratulations to our May draw prize winners.

1st prize £10 No 11 Shirley Cardus

2nd prize £5 No 1 Judith Philpotts

3rd prize £1 No 35 Pat Dye

Congratulations to our June draw prize winners.

1st prize £10 No 5 Jyothi Gundabolu

2nd prize £5 No 37 Judy Moseley

3rd prize £1 No 59 Sandy Pinder

Do you have a favourite or lucky number? Then why not pick it for inclusion in our u3a Carrick Monthly Draw.

For £1.00 per entry your number will be included in our monthly draw and you could be one of our lucky prize winners. Draws will be held mid-month and winning numbers will be announced.

To enter compete the form below and send it as an attachment to lesleydragon22@gmail.com or hand it in a sealed envelope to any committee member with the appropriate cash/cheque or BACs payment confirmation.

Application to take part in Carrick u3a Monthly draw

Please Print: First Name _____

Surname _____

Contact details _____

My preferred number is _____. Two alternative options are _____

Numbers between 1 and 100. Confirmation of number available will be given.

I enclose cash/cheque to cover _____ monthly entries at £1.00 per month or I have made a BACs payment to Carrick u3a to cover _____ monthly entries.

Please put Charity Draw in the reference

Lesley Parsons, Chair 01209 314810 chair@u3acarrick.org.uk

EDITORIAL

Last month's picture was of the quay at Point looking upriver towards Devoran. The first to get it was Michael Hone followed by Diane Tyas and Terri Crooks.

What is the structure in this month's picture?

Your answer, as always, to editor@u3acarrick.org.uk please, or use your smart phone with this QR code to email your editor. The answer will be in next month's newsletter.



Mark Breach editor@u3acarrick.org.uk

GROUP NEWS

GUITAR

We have a potential new member who would like to play guitar with others. Is there anyone in our Carrick community who is interested in joining him? If so please contact me. Thank you.

Sue Hutt vicechair@u3acarrick.org.uk 01872 864494

CARPET BOWLS 1

No photos this month as we forgot to take one. Just a few dates for your diary.

No carpet bowls on the 12th July due to the hall being needed.

The last day of bowls before we break for Summer will be **26th July**, and starting again on **6th September**.

We would like to take this opportunity to thank all our carpet bowls friends for supporting us throughout the year. Giving useful tips to new members, and welcoming them into the group.

Enjoy your Summer break.

Caroline Goodwin 01326 619690, **Angie Attwood** 07874782735

CARRICK SINGERS

Carrick Singers performed at King Charles the Martyr Church in Falmouth on Saturday 25th May. We performed three 'sets' of songs. During our first break three members of Carrick Consort, another Carrick u3a music group, performed three lively pieces on their varied Recorders, which we all enjoyed. During the second



break Richard Bailey, our Musical Director and Organist at KCM, gave a stunning demonstration of his skill, and the range of tones from the organ, with an original rendition of 'Trelawney'. Richard told us that the organ is the largest church organ in Cornwall, and he certainly entertained us with his demonstration of its range.

The whole concert was a great success and was enjoyed by both the performers and the audience.

We welcome new members at any time; we practise on Wednesday 2:00 – 4:00 p.m. at Kea Community Hall. We sing either 3-part (sopranos, altos, baritones), or 4-part songs (sopranos, tenors, altos, basses).

If you may be interested, please get in touch with June Caddy on 07584 258727 for further information.

Mary Wright wright2mary@hotmail.com

CONNECTED CAFÉ

If you are an existing user of email and/or the internet but need help to do more or grapple with the odd technical tease then we are holding monthly 'surgeries'. We're back to the third Thursday in July, so July's Connected Cafe will be on Thursday **18th July** so as always at Chez Reilly.

We never know what issues and topics our visitors will raise, but they have been wide and varied, and in most cases we can resolve the issues often by delving into the internet or calling on experience from our visitors themselves. May's focus for instance was on tablets, Samsung and Android, adjusting settings, starting and populating photo albums, setting up and stopping subtitles on streaming, quicker access to favourite websites, etc. One thing that came out again in June is that there are 'free' alternatives to the Microsoft suite with its annual £60 licence, for both Windows and Apple users.

With limited space and personal bandwidth, attendance has to be by prior notification even for regular attendees, either with a call or an email to me. We won't have all the answers, but may be able to help with searching them out.

Ric Reilly 07973 173367 ricreilly@icloud.com

DONS KERNEWEK

As we are very well aware by now, there will be a General Election on Thursday, 4th July. This means that our group's room at Bosvale Community Centre will be needed for other purposes and so our Cornish dancing for that day is cancelled. The dates for our summer break are to be decided, and we will let you know when they have been agreed. Otherwise, our weekly sessions continue on Thursdays, 2:30 – 4:30 p.m., with a break in the middle for a cup of tea, a biscuit and, of course, time for a chat. As always, new members will be made very welcome.

Sue Prout 07917341057

FIRST SATURDAY

The First Saturday Group has continued to meet for our monthly lunch and this year we are trying out some different hostelrys. As usual at the lunch, amongst the eating, drinking and chatting, we circulated ideas for events, and 2024 has seen plenty of action for the group. At the Truro Plaza we have seen 4 films, 3 ballets, 4 plays and an Art Gallery Online. Members of the group have also attended events at the Hall for Cornwall, Truro Cathedral, the Burrell Theatre and the Gardens at Tregothnan.

Currently the group is full, but if anyone would like to start another similar group, I am sure there would be others who would like to join in. If you would like to discuss how the group runs, please contact me for a chat.

Mike Rogers mike142122@gmail.com 07753249550

FOURTH FRIDAY, FALMOUTH

We will meet again at the Falmouth Hotel Camellia Room. Come and join our friendly group, on the **26th July** at 10:30 a.m. for coffee and a chat, and to welcome new members.

Alex Pascoe alexpascoe@talktalk.net 01326 211228, 07971 395995

FRENCH FILM

Unfortunately, I have to cancel the next French film on 26th June. The next one in July will run as usual but there will not be one in August. September will start again as normal.

Genevieve Rosier genr@hotmail.co.uk

GARDEN

Well, due to a doubtful forecast and the information that probably due to the continued cooler weather the poppies are not at their best this year, or not yet anyway, we have had a change of venue. As our visit is not till 19th June there is nothing to report as yet for that meeting.

We do have a visit booked however for July. I had hoped to make another Wednesday meeting for those who find Tuesday difficult but unfortunately it was not available. Our visit will therefore be on Tuesday **16th July** to Trenarth Gardens in Constantine. I have visited it with friends on an NGS day before Covid and thought it an absolute delight so I hope it will not disappoint. It is arranged that we shall have a tour of the garden and refreshments for £7.50 each which goes to charity. As usual with garden visits I shall need to let the owner know our numbers a couple of days earlier for catering purposes so please contact me if you want to join us. Full details below.

Tuesday **16th July** 2:00 p.m. Trenarth Gardens, High Cross, Constantine, TR11 5JN. Entry fee of £7.50, to charity, to include refreshments.

Contact me please for numbers if you intend to join us, but please don't phone me, charges, between 2nd and 11th July as I shall be in France.

Kate Gidman kategarts.gdns@gmail.com 07962 805666

HANDICRAFT



Veronica & Gordon Richards veronicacrichards@gmail.com 07893511192

HISTORY

At our June meeting, eleven group members brought along books with historic content that they had recently read and would recommend to the rest of the group. As always with meetings of this format, the book reviews covered a wide range of topics, each leading to an interesting discussion. The meeting was recorded and if you would like to see a copy of the recording, please contact Ric on ricreilly@icloud.com. The photograph shows group members looking through the books at the end of the meeting.

If you would like a list of the books reviewed, please contact the group leader.

Our July meeting is a visit to Pendennis Castle on Monday **15th July**.

We will

have a guided tour of the keep followed by a break for refreshments. The visit will then continue with the World War II tour. Please note that the tour of the keep includes using the spiral staircase, and the WWII tour includes a steep walk back up from the Half-Moon battery. The visit is booked as an educational visit and is therefore free of charge. Please contact the group leader if you wish to come. There are a limited number of places.

This will be our last meeting before the summer break.

Sheila James u3acarrickhistory@gmail.com 01872 870745



MONDAYS ONLINE

Our informal gatherings online, using Zoom, are open to anyone who just feels like they would like some company and a natter, with no set agenda and just letting conversations go where they will and do.

The gatherings are from 6:00 to 8:00 p.m. normally on the first and third Mondays of the month, so that will be Mondays **1st** and **15th July**.

If you fancy joining us occasionally, then just email me as below and I'll let you have the joining details for Zoom. If you haven't used Zoom before it is quite simple, and I'd be delighted to set up a 1:1 introductory session at your convenience to take you through it.

Ric Reilly 07973 173367 mondaysonline@u3acarrick.org.uk

MONTHLY MEETING

Due to the necessary relocation from Truro library, a name change, and a need for a fresh start we have not managed to secure a convenient date for July at Carnon Downs Village Hall, but we will return there on Wednesday **14th August**.

We traditionally took a summer break in August when we met at Truro library so this year we are having it earlier than usual. We have every hope of remaining at the village hall for the rest of this year.

The new Members' Monthly Meeting got off to a flying start in May when Ric Reilly stepped up to the plate and presented his talk with great enthusiasm on his specialist subject, orchids.

Not only did Ric share his knowledge and long-time interest in plants and propagation but he also gave us an insight into his own history and various stories as well.

Ric gave a very interactive talk and brought along a number of his own plants, discussing the highs and lows of orchid care. A number of members also came along with their own orchids which required a quick back and sides and the talk developed into an entertaining discussion and consultation session.

As this newsletter goes to print at the similar time as our June meeting when Sue Swinchatt joins us, I will report on that meeting in the next newsletter.

Richard Allen richardwallen85@gmail.com

SCIENCE

Last month Malcolm Clark gave an interesting talk about the history of space rocket development starting with the Chinese use of gunpowder over a thousand years ago. Yet only since 1926 has the dream of space travel become a reality, when in the US, Goddard became the first person to launch a liquid-fuelled rocket. However, it was Tsiolkovsky who developed the key mathematical equations for space flight, followed by Korolev developing rocket propulsion that enabled Russia to take the space lead with the launch of the first artificial satellite in earth orbit, Sputnik 1, in 1957, followed by the first manned space flight by Gagarin in 1961.

A large variety of rocket engines have been developed since the 1950s. The latest trend is to have large re-usable multistage rockets commercially built, such as SpaceX's super-heavy-lift Starship that uses Raptor engines in its booster and in the second stage. Their operation remains in principle similar to that used by Goddard, but now use a variety of propulsion methods as discussed below. More attention has been focused on the safe control of fuel burn during a space rocket launch that involves a combination of sophisticated engineering, advanced materials and precise real-time monitoring and control systems. Using foam insulation on the fuel tank overcame the problem of ice scattering during the Shuttle launches. A more recent challenge is that of refuelling rockets in low gravity while dealing with large temperature variations when orbiting the Moon in the Artemis missions.

Malcolm's talk looked at the various ways of powering rockets starting with liquid propellants. These use liquid fuel such as liquid hydrogen or kerosene and an oxidiser such as liquid oxygen stored in separate tanks, which are mixed and ignited in a combustion chamber to produce thrust. An example is the Space Shuttle's main engines.

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EVENTS CALENDAR

* Contact leader before first attendance. Subject to information supplied at time of preparation. Some events may change. Contact editor to input/edit entries.

July 2024

Mon 1 10:00 PETANQUE FALMOUTH Gyllyngvase Beach
10:15 RUBBER BRIDGE Central Bar, Truro
10:30 SPANISH, BEGINNERS Norway Inn
13:30 SOCIAL DANCING Perranwell Centre
14:00 JAZZ APPRECIATION Carnon Downs Village Hall
16:00 TABLE TENNIS Feock Church & Community Hall
18:00 MONDAYS ONLINE online

Tue 2 10:00 CROQUET Perranwell Cricket Club
10:00 QUESTIONS OF THE DAY 2 Member's home
10:30 FRENCH CONVERSATION Threemilestone Village Hall
13:30 SHORT TENNIS 1 Ord Statter Pavilion, Mylor Bridge
15:30 CARRICK BELLS Ord Statter Pavilion, Mylor Bridge

Wed 3 09:30 SCOTTISH COUNTRY DANCE Ponsanooth Village Hall
10:30 ITALIAN online
13:00 CARPET BOWLS 2 Perranwell Centre
13:00 PETANQUE TRURO Boscawen Park
13:30 ART, TRURO Feock Church & Community Hall
14:00 CARRICK SINGERS Kea Community Centre
16:00 TABLE TENNIS Feock Church & Community Hall

Thu 4 09:15 BADMINTON 1 Tremough Campus
14:00 CROQUET Perranwell Cricket Club
14:00 QUIZ Victoria Inn, Threemilestone

Fri 5 09:15 SHORT TENNIS 2 Tremough Campus
10:00 SPANISH COMPLETE BEGINNERS Denyer Court, Falmouth
10:15 WALKS, 5 BANANAS various locations
10:30 WALKS, RAMBLERS various locations
12:00 FRENCH BEGINNERS Falmouth
13:30 CARPET BOWLS Ord Statter Pavilion, Mylor Bridge
14:00 HANDICRAFT Chacewater WI Hall (The Nisson Hut)
14:30 CARRICK CONSORT Kea Community Centre
15:30 LINE DANCING Ord Statter Pavilion, Mylor Bridge

Mon 8 10:15 RUBBER BRIDGE Central Bar, Truro
10:30 SPANISH, BEGINNERS Norway Inn
13:00 UKULELE Perranwell Church Hall
13:30 SOCIAL DANCING Perranwell Centre
14:00 PLAYREADING leader's home
16:00 TABLE TENNIS Feock Church & Community Hall
19:00 EUCHRE Oak Tree Farm

Tue 9 10:00 CROQUET Perranwell Cricket Club
10:00 PHOTOGRAPHY Carnon Downs Village Hall
10:30 FRENCH CONVERSATION Threemilestone Village Hall
14:00 CREATIVE WRITING, TRURO Member's home
14:30 BOARD GAMES Moresk Community Centre, Truro
15:30 CARRICK BELLS Ord Statter Pavilion, Mylor Bridge

Wed 10 09:30 SCOTTISH COUNTRY DANCE Ponsanooth VH
10:00 PHILOSOPHY 1 Victoria Inn, Threemilestone
13:00 CARPET BOWLS 2 Perranwell Centre
13:00 PETANQUE TRURO Boscawen Park
13:30 ART, TRURO Feock Church & Community Hall
14:00 CARRICK SINGERS Kea Community Centre
16:00 TABLE TENNIS Feock Church & Community Hall

Thu 11 09:15 BADMINTON 1 Tremough Campus
10:30 SCIENCE Kea Community Centre
14:00 CROQUET Perranwell Cricket Club
14:30 DONS KERNEWEK Bosvale Community Centre, Falmouth

Fri 12 09:15 SHORT TENNIS 2 Tremough Campus
10:00 SPANISH COMPLETE BEGINNERS Denyer Court, Falmouth
10:15 WALKS, 5 BANANAS various locations
10:30 WALKS, RAMBLERS various locations
12:00 FRENCH BEGINNERS Falmouth
13:45 MAHJONG Perranwell Church Hall
14:00 HANDICRAFT Chacewater WI Hall (The Nisson Hut)
14:30 CARRICK CONSORT Kea Community Centre

Sun 14 11:00 PETANQUE TRURO Boscawen Park
14:00 GARDEN PARTY Medlar Cottage, Perranwell

Mon 15 10:00 PETANQUE FALMOUTH Gyllyngvase Beach
10:15 RUBBER BRIDGE Central Bar, Truro
10:30 HISTORY Pendennis Castle
10:30 SPANISH, BEGINNERS Norway Inn
13:30 SOCIAL DANCING Perranwell Centre
14:00 JAZZ APPRECIATION Carnon Downs Village Hall
14:00 READING, TRURO online
16:00 TABLE TENNIS Feock Church & Community Hall
18:00 MONDAYS ONLINE online

Tue 16 10:00 CROQUET Perranwell Cricket Club
10:00 QUESTIONS OF THE DAY 1 Member's home, Carnon Downs
10:15 SCRABBLE Threemilestone Community Centre
14:00 GARDEN Constantine
15:30 CARRICK BELLS Ord Statter Pavilion, Mylor Bridge

Wed 17 09:30 SCOTTISH COUNTRY DANCE Ponsanooth VH
10:30 ITALIAN online
13:00 CARPET BOWLS 2 Perranwell Centre
13:00 PETANQUE TRURO Boscawen Park
13:30 ART, TRURO Feock Church & Community Hall
14:00 CARRICK SINGERS Kea Community Centre
16:00 TABLE TENNIS Feock Church & Community Hall

Thu 18 10:00 CONNECTED CAFE Penryn
10:30 THIRD THURSDAY Truro
14:00 CROQUET Perranwell Cricket Club
14:30 DONS KERNEWEK Bosvale Community Centre, Falmouth
18:00 NEWSLETTER CLOSING

Fri 19 10:00 SPANISH COMPLETE BEGINNERS Denyer Court, Fal
10:15 WALKS, 5 BANANAS various locations
10:30 WALKS, RAMBLERS various locations
12:00 FRENCH BEGINNERS Falmouth
13:30 CARPET BOWLS Ord Statter Pavilion, Mylor Bridge
14:00 HANDICRAFT Chacewater WI Hall (The Nisson Hut)
14:00 MUSIC APPRECIATION Leader's home, Lanner
14:30 CARRICK CONSORT Kea Community Centre
15:30 LINE DANCING Ord Statter Pavilion, Mylor Bridge

Mon 22 10:15 RUBBER BRIDGE Central Bar, Truro
10:30 CREATIVE WRITING, FALMOUTH Bay Court, Falmouth
10:30 SPANISH, BEGINNERS Norway Inn
13:00 UKULELE Perranwell Church Hall
14:00 PLAYREADING leader's home
16:00 TABLE TENNIS Feock Church & Community Hall

Tue 23 10:00 CROQUET Perranwell Cricket Club
10:00 PHOTOGRAPHY Carnon Downs Village Hall
10:30 FRENCH CONVERSATION Threemilestone Village Hall
15:30 CARRICK BELLS Ord Statter Pavilion, Mylor Bridge

Wed 24 09:30 SCOTTISH COUNTRY DANCE Ponsanooth VH
10:00 PHILOSOPHY 1 Victoria Inn, Threemilestone
10:15 READING, FALMOUTH Bay Court, Falmouth
13:00 CARPET BOWLS 2 Perranwell Centre
13:00 PETANQUE TRURO Boscawen Park
13:30 ART, TRURO Feock Church & Community Hall
14:00 CARRICK SINGERS Kea Community Centre
16:00 TABLE TENNIS Feock Church & Community Hall

Thu 25 10:30 TRAVELLERS' TALES Kea Community Centre
14:00 CROQUET Perranwell Cricket Club
14:30 DONS KERNEWEK Bosvale Community Centre, Falmouth

Fri 26 10:00 SPANISH COMPLETE BEGINNERS Denyer Court, Fal
10:15 WALKS, 5 BANANAS various locations
10:30 FOURTH FRIDAY, FALMOUTH various locations
10:30 WALKS, RAMBLERS various locations
12:00 FRENCH BEGINNERS Falmouth
13:30 CARPET BOWLS Ord Statter Pavilion, Mylor Bridge
13:45 MAHJONG Perranwell Church Hall
14:00 HANDICRAFT Chacewater WI Hall (The Nisson Hut)
14:00 PHILOSOPHY 2 Carnon Downs Village Hall
14:30 CARRICK CONSORT Kea Community Centre
15:30 LINE DANCING Ord Statter Pavilion, Mylor Bridge

Mon 29 10:15 RUBBER BRIDGE Central Bar, Truro
10:30 SPANISH, BEGINNERS Norway Inn
16:00 TABLE TENNIS Feock Church & Community Hall

Tue 30 10:00 CROQUET Perranwell Cricket Club
10:30 FRENCH CONVERSATION Threemilestone Village Hall
15:30 CARRICK BELLS Ord Statter Pavilion, Mylor Bridge

Wed 31 09:30 SCOTTISH COUNTRY DANCE Ponsanooth VH
10:00 SKITTLES Threemilestone Community Centre
13:00 CARPET BOWLS 2 Perranwell Centre
13:00 PETANQUE TRURO Boscawen Park
13:30 FRENCH FILM Feock Church & Community Hall
14:00 CARRICK SINGERS Kea Community Centre
16:00 TABLE TENNIS Feock Church & Community Hall

Use this QR code with your smart phone to find the most up-to-date version of the calendar. See what's on today.



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In solid fuel rockets the fuel and oxidiser are mixed together in a solid form. Once ignited they burn until the fuel is exhausted. They are simple and more reliable, but less controllable compared to liquid propellants. Although they can be stored long term at room temperature, they are extremely toxic. An example of this type are the boosters on the Space Shuttle.

Other forms of propulsion include ion thrusters which ionise a gas, xenon, and use electric fields to accelerate the ions to create thrust. They only provide low thrust but are very efficient and suitable for long duration missions and also for use in maintaining earth orbits and positioning of micro-satellites, CubeSat. In Nuclear Electric Propulsion a nuclear reactor is used to generate electricity, which powers electric thrusters.

Some missions may use a hybrid of propulsion systems for different phases of their missions. The Voyager probes are the furthest from Earth and used chemical propulsion for the initial launch and trajectory adjustments, but long-duration power needs are met by radioisotope thermoelectric generators.

Light sails use pressure of sunlight for propulsion. By reflection of photons from the sun, light sails can gradually build up speed over time. This provides continuous acceleration without using propellant, making it ideal for long term missions.

Future developments include Pulsed Fission Fusion that would revolutionise space travel by achieving quicker transit time to Mars. The Space Elevator has been proposed to reduce the cost of leaving Earth and then there is the Thin Film Isotope Nuclear Engine which is similar to the light sail but uses thin sheets of thorium as the energy source.

However, antimatter propulsion, warp drive, and worm holes still remain in the realm of science fiction.

On **11th July** Emily Stevenson will be talking on “Anti-Microbial Resistant Bacteria on Microplastics”.

Emily is currently doing a PhD at Exeter University, Penryn, and also working with staff at the Plymouth Marine Laboratory. Her research aims to investigate whether microplastics are important platforms for the growth, enrichment and dissemination of Anti-Microbial Resistant (AMR) biofilms, and whether there are associated

ecological implications of microplastics, antimicrobials and AMR on the gut microbiota of marine organisms. This builds on research Emily carried out during her Master's degree in 2019/20 in which she researched the role of microplastics in the dissemination of potentially pathogenic or antibiotic resistant bacteria.

Roy Fisher 01872 270528 raf59@talktalk.net

SCRABBLE

The June Scrabble meeting was well attended and as it was my husband's birthday we had a birthday cake to share with everyone.

Good games of scrabble and cake as well.

We meet the 3rd Tuesday of the month at 10:15 a.m. in Threemilestone Community Centre. Bring your own drink and your new membership card please.

Wendy Pascoe 01872 275840

SHORT TENNIS 1

We will break for the summer after our meeting on 2nd July. We will resume at 1:30 p.m. on Tuesday 27th August.

Thank you to all my friendly players, enjoy the summer.

Gillian Davies secretary@u3acarrick.org.uk 01326 318514

SHORT TENNIS 2

Short Tennis Friday mornings will be changing start times from 9th August. The university have asked us to change to 9:30 a.m. as it gives them more flexibility to let to others. We will finish at 11:00 a.m. instead of 10:45 a.m.

We welcome new players so, if you would like to come along, you would be made welcome. If anyone would like a chat before you decide to join us or not, please don't hesitate to call.

Hilary Harrod nannyhilly@gmail.com 07947 323746

SOCIAL DANCING

Despite the changeable weather, a good number of us, both old friends returning to dance and lovely new faces joined us on Monday. We hope that you all had a really enjoyable afternoon dancing to a wide variety of music and dance styles. The Charleston Stroll was particularly interesting.



Please note that the last dance of the Spring term is on Monday the **15th July** and the first dance after the Summer break is on Monday **9th September**. Times as usual 1:30 – 4:00 p.m. Why not come along for a taster; all abilities welcome. We hope to see you there.

Edith Lucas edithandpaul@btinternet.com 01736 710474

THIRD THURSDAY - TRURO

We will meet for coffee and chat in Zafiro's, New Bridge Street Truro from 10:30 a.m. on Thursday **18th July**. We are a very friendly and welcoming group and look forward to meeting new members.

Julia Holme julia.holme@outlook.com

TRAVELLERS' TALES

I hope those who attended or received a recording, enjoyed Keith Davies' talk on the Netherlands and building 40% of it from the sea. As always with Keith's talks it was both very informative and of course entertaining. If you missed it the recording is still available.

On Thursday **27th June** we will welcome Jay and Kate Gidman, who will be California Dreamin', taking us on their road trip in a convertible from San Francisco to LA, except it grew to more than that. Beginning in Yosemite, then on to the Giant Redwoods and down Highway 1 we will travel with them down the coast to Hollywood and the Queen Mary at Long Beach.



On Thursday **25th July**, nearer next Christmas than the last one, Martin Smith will be taking us on The North Coast 500 which is a 516-mile scenic route around the north coast of Scotland, starting and ending at Inverness Castle. It's known for its stunning coastal scenery, historic fishing villages, castles, and remote inland glens.

The North Coast 500 route was developed in 2015 to boost tourism in the remoter northern part of Scotland as its own version of Route 66.



This has proved a great success and continues to be very popular, and it was listed in 2017 in the top 5 coastal road tours. Not too late for an autumn break this year perhaps, so come and get the lowdown from Martin and Rosalind.

And there will be an August Travellers' Tales meeting this year, a break with tradition which sees August stripped of monthly meetings. Referencing an initiative from the History Group, thanks Sheila, we're have a 'bring and share' meeting on Thursday **22nd August**.

Members of the group are invited

to bring along something collected on their travels and talk about it for five or ten minutes, long enough for where, when and what. It could be an object or a picture that brings back memories.

All u3a Carrick members are welcome to our meetings, just come along or join us online for talks that are Zoomed. Meetings of the TT Group are held at the Kea Community Centre, Playing Place. There's plenty of car parking at the hall, the bus stop is close by, adjacent to the Playing Place Shell Garage. There is a ramp access to the hall for wheelchairs and mobility scooters. Talks start at 10:30 a.m. but come any time after the doors open at 10:00 a.m.

In common with our Science and History groups, whenever possible Travellers' Tales meetings, held at Kea, will be 'hybrid' meetings available simultaneously in the hall and online using Zoom. If you can't be there but would like to join online then drop me an email as below by 5:00 p.m. the day before and I'll let you have the joining details. Likewise, if you would like a recording of either of these two talks just let me know.

Ric Reilly TravellersTales@u3acarrick.org.uk 07973 173367

UKULELE

Oh Boy. The new Ukulele group is flourishing. We have done so many Things. We have been up Camborne Hill, Row Row Rowed our Boats across the Rivers of Babylon whilst looking for Cockles and Mussels, and went under London Bridge, Danced the Night Away whilst eating Shortnin' Bread, have done Da Do Run Run and the Hokey Cokey, and have been Rocking all over the World, all whilst learning 4 chords on our ukuleles. If anyone wants to join in the fun, we meet twice a month on Mondays 1:00 – 3:00 p.m. at St Piran's Church Hall, Church Road, Perranwell. Sessions will run on the following Mondays: **8th and 22nd July, 5th and 19th August, 2nd and 16th September.**

Judy Moseley judy@moseley.tech 07981 343490

UNIVERSITY LIAISON

The project is continuing to develop the relationship with our contact at the University and we are learning how to fit around the academic timetable. Contact with the speakers from last year's event has been re-established and we are hoping they can find time to update us on their research this summer.

Our liaison contact is associated with the Institute of Cornish Studies and the main areas of research can be seen on their website at <https://www.exeter.ac.uk/research/centres/ics/>. They can also be followed on Twitter where they post topics of interest.

This group will act as a mailing list for those members who have shown an interest in receiving notification of upcoming events; useful for short notice events. If you would like to join the group, please email the group leader.

Mike Rogers 07753249550 universityliaison@u3acarrick.org.uk

ACCOUNTS

The accounts are a month behind as they have to be confirmed by the committee. If you have any questions please don't hesitate to ask. here is no change in the Tony Herring reduction figures

Carrick U3A		Statement of Accounts: Current	
Printed 31st May 2024 21:19			
Income & Expenditure, 1st February - 31st January			
Start year		2024	
Category	In		Out
Catering			£17.93
Charity Lottery	£549.00		
Donations	£286.91		
Equipment			£56.06
Fundraising	£458.00		
Membership	£14,080.00		£26.00
Newsletter Printing			£458.00
Postage	£796.55		£1,537.50
Re-Imburse	£48.00		£48.00
Stationary			£338.87
TAM postage	£67.68		£114.16
TAT			£2,848.00
TATTIL Beacon			£892.00
Venues			£5,548.45
Website			£28.81
Zoom			£155.88
	Sub-totals	£16,286.14	£12,069.66
	Brought forward	£26,277.70	

Total **£30,593.18**

Balance Sheet

Current £15,566.58

Easy Access Account £5,026.60

Fixed Term Savings £10,000.00

Total **£30,593.18**

Membership Analysis, at 31st May 2024 Members

Associate 5

Associate Joint 2

Honorary 1

Individual 474

Joint 244

Totals 726

Jenny Fulleylove, Treasurer 07799 731383 treasurer@u3acarrick.org.uk

MEMBERS' SMALL ADS

For members who wish to advertise their wants, goods or services.

MANOR TRIP

On the Manor trip I am organizing in February 2025 there is a change in the dates. We will now be going **24th March - 28th March**. If anyone would like to come with us it is open to all members' families and friends. Please contact me as below.

Brenda Williams blossom1957@hotmail.com

HELP WANTED WITH NEW GARMIN SATNAV

Would anyone be prepared to give a short time to help me set up my new satnav. I live in Mylor Bridge. But I would be very willing to travel to meet anyone who could help with getting my satnav working. The satnav is a Garmin Drive 53 & live traffic. 5* Sat Nav Europe. Thank you.

Katherine Wheatley 01326 375712 katherine.wheatley142@btinternet.com

CITROEN C1

Citroen C1 for sale 2018 Feel Edition in Pacific green. 21,000 miles, £6,995 or near offer.

Janet Bishop 01872 862949

HOUSE SITTING

Up country member happy to house sit free for short periods during autumn and spring when our holiday static is closed. References available.

Val Stilwell vvstilwell@hotmail.com

PUZZLES

SUDOKU

	3				2	1		
8				1				
		6	4			2		
1			7			5		
							3	2
9		4			6			
	5			9		4		
							6	1
		9		8	7			

In last month's Sudoku the three shaded numbers, in order, were 4, 7, 3.

The first to get it was Mary Jarvis followed by Chris Ayres and Peter Becker.

For this month's puzzle, just tell your editor the three numbers in the shaded squares, top to bottom, or left to right as applicable.

Roman Alchemy

What should be first in this sequence?

? C CL V CD I MD MC

Last month's problem – Not Quite Cornish Yarg

Since density and height of the cylinders are the same then the mass of each cheese will be proportional to its radius squared. By Pythagoras' theorem the ratio of radius of large to small cheeses is $1 : (\sqrt{2} - 1)$ which is approximately $1 : 0.4142$. That means that ratio of areas, hence volumes and hence weights is approximately $1 : 0.1716$ or $5.8284 : 1$.

Since the top left-hand cheese is Ragy and the top right-hand Cheese is Argy then all the small cheeses are Gary. There is no other way that the criterion that there are no two cheeses of the same type that are adjacent, can be satisfied. There are the same number of small cheeses as there are large ones so with 12 kg of small cheeses then there are $12 \times 5.8284 \text{ kg} = 69.94 \text{ kg}$ of large cheeses. Add the weights of small cheeses, large cheeses to pallet and packaging and you get $12 + 69.94 + 18 \text{ kg} = 99.94 \text{ kg}$ which to the nearest kilogram is 100 kg.

Cut me another slice.

Mark Breach mark.breach@yahoo.co.uk

CONTACT US

OFFICERS & COMMITTEE

- Chair:** Lesley Parsons 01209 314810 chair@u3acarrick.org.uk
- Vice-Chair:** Sue Hutt 01872 864494 vicechair@u3acarrick.org.uk
- General Secretary:** Gillian Davies 01326 318514 secretary@u3acarrick.org.uk
- Treasurer:** Jenny Fulleylove 07799 731383 treasurer@u3acarrick.org.uk
- Membership Secretary:** Bob Williams 01326 219334 membership@u3acarrick.org.uk
- Groups' Coordinator:**
Patsy Ross 07973 801715 groupscoordinator@u3acarrick.org.uk
- Committee:** Ric Reilly 07973 173367 Mike Rogers 07753 249550
Lesley Vingoe 07717 849458

Membership, Change of Address, Mode of Newsletter Delivery. The u3a is open to those no longer in full time employment. No age restriction. Contact Bob Williams for a membership information pack or to change to/from emailed and paper newsletter delivery.

Groups Contact. You can start a new group within the aims of u3a, subject to cost and others with shared interest. Contact the Groups' Coordinator. Requests for group expenditure must be preauthorised by the Committee.

Webmaster. webmaster@u3acarrick.org.uk Newsletter copy also goes to the webmaster.

Digital Lead. Ric Reilly 07973 173367 ricreilly@icloud.com

Newsletter. Copy to editor@u3acarrick.org.uk by **6:00 p.m.** on the **18th** of the month.



Photography Group - Around Truro

