



**UNIVERSITY OF THE THIRD AGE
FLINDERS - INCORPORATED
PROGRAMME No 89**

**Second Session 2021
May - August**

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CORONAVIRUS UPDATE

Use of the Active Elders Association Hall continues to be bound by the conditions imposed by SA Health's Covid-19 Safety Plan. We have adapted our normal practices to permit us to continue to operate, and – at time of writing – it seems that Programme 89 will probably be run under the same (or a similar) regime i.e. restrictions on numbers permitted to attend sessions, maintenance of social distancing requirements, strict recording of personal contact details for everyone present at meetings, cleaning and sanitising, no catering, training for duty as Covid Marshals. The organisation and operation of these procedures has fallen to the members of U3A's Management Committee, without whose selfless efforts none of this would be possible. We should all be aware, however, that the authorities may change the rules at short notice to cope with the ebbs and flows of the Coronavirus situation. Rest assured that your Committee will stay vigilant, and take whatever steps may be necessary to help keep us safe.

It continues to be extremely important that you stay at home if you are feeling unwell, even if the likelihood of you having Covid-19 is low. Please consider the wellbeing of your fellow members and friends at this difficult time.

Acknowledging the generous support of Flinders University



MESSAGE FROM YOUR PROGRAMME CO-ORDINATOR

Dear Members,

PRODUCTION OF THIS PROGRAMME - No 89

My thanks go to **Audrey Greenway (May)**, **Peter Day (June)**, **Myself (July)** and **Sheila Dickinson (August)**, for another varied and interesting programme. We have tried hard to ensure that there is something for everyone, so please support our speakers by enrolling for as many sessions as you can.



ENROLMENT FORMS

Please return your completed Enrolment Forms for Programme 89 as soon as possible, as it helps me to compile the Duty Rosters – particularly for the first month of the Programme. It also means that we can be sure that those attending our sessions are entitled to do so as Full Financial Members, and provides the Management Committee with a reasonably accurate figure for the number of chairs to set out for each session.

OUTSIDE VISITS HAVE NOT BEEN ARRANGED FOR THIS PROGRAMME

There are no outside visits included in Prog 89 because most venues are still cautious about permitting large groups to enter their properties. The time and effort in setting up visits is substantial, and is disappointing for all concerned if cancellation is required.

WALKING GROUP

Wednesday Walks continue as before, thanks to **Judy Milford and Nola Byass**. See further details elsewhere in the Programme.

BOOK GROUP

Meetings are held on the third Friday of the month at 1.30 pm at Parkholme Library. See further details included elsewhere in the Programme.

WRITING GROUPS

Both Writing Groups will continue to operate under strict Covid-19 rules. Social distancing must be applied, which imposes a severe limitation on numbers attending. **Important Note - Change of procedure: Members of the Writing Groups must now indicate their intention to attend sessions by ticking the appropriate box on the Enrolment Form and returning the form to the Office. This will ensure that those participating under the aegis of U3A Flinders are financial members, and thus covered by our Public Indemnity Insurance policy.**

E-MAIL ADDRESSES

When you return your Programme Enrolment Forms to the U3A Office, if you have not signed up for electronic transmission of documents, please do not include your e-mail address on your form. This makes unnecessary work for our Volunteers, as they then have to verify your intentions.

Max Gordon

Programme 89

- Special Notes:** 1. All events in this programme, unless otherwise specified, will be held at:
Active Elder Association Hall, Corner of Charles & Albert Streets, Ascot Park.
2. U3A Flinders Inc reserves the right to cancel postpone or change advertised events as necessary. Reasonable effort will be made to provide timely notification of such changes to Members who have enrolled.

The Writers' Groups – Enrolment of members

Wednesday Scribblers Writing Group

Contact person, (via U3A Office): **Alison McDonald**

For many members, joining this group was their first foray into the field of creative writing within a supportive environment. If you are interested in finding out more about how this group operates, please contact the U3A Office in the first instance and your details will be passed on to the organiser. Sessions are held at Parkholme Library, Duncan Avenue, Parkholme. **If you are an existing member, please tick the appropriate box on the Enrolment Form.**

Every Wednesday during term time. From 1.30 pm – 3.30 pm.

Writers' Group

Contact person (via U3A Office): **Ted Flaherty**

This is a long established group of experienced writers. Members read and critique work in a mutually supportive environment. If you are interested in finding out more about how this group operates, please contact the U3A Office in the first instance and your details will be passed on to the organiser. Sessions are held at Parkholme Library, Duncan Avenue, Parkholme. **If you are an existing member, please tick the appropriate box on the Enrolment Form.**

Every Thursday during term time. From 9.30 am – 12.30 pm.

- 1) **A new model for understanding and addressing school bullying** by **Adjunct Prof Ken Rigby OAM**
Ken Rigby is a Psychologist and the author of numerous books and articles. In 2020 he received the Order of Australia Medal “for his Service to Education and to the wellbeing of young people.”
This presentation describes a possible model that may help to draw together what is known through research about school bullying, and suggests methods of prevention and intervention.
Tuesday May 4th at 2.00 pm.
- 2) **Patient Education in the Digital Age: could an Avatar save your life?** by **Prof Robyn Clark**
Prof Clark is an internationally recognised senior clinician and researcher at Flinders University, who leads the Caring Futures Institute’s Better Care theme. She also holds many prestigious qualifications, plus Fellowships, and Adjunct Appointments - including at SAHMRI. Heart disease is Australia’s single leading cause of death with more than 620,000 people living with the disease. This disease requires daily management and is often burdensome to those who have this serious and lifelong condition. So, what can be done to help? The answer, as ever, lies in digital technologies. With the proliferation of devices, the use of avatars and games is growing in healthcare. “Nurses” Cora, Bob, and Mary are Avatars that can teach people who have heart disease how to recognise and respond quickly to their symptoms. If you don’t know what an Avatar is, you can look it up – or come along to Robyn’s talk for a first-hand explanation.
Thursday May 6th at 2.00 pm.
- 3) **A Case Study – The Lonsdale murders** by **Terry Harding**
Terry is a retired Detective Sergeant with 37 years Police experience. He retired in 2012 having spent the majority of his career as a detective in the Drug Squad and in Organised Crime investigations. He is now involved with the Police Historical Society.
This talk is from an investigator’s view into a double murder for hire, which occurred in the late nineties at Lonsdale in Adelaide’s southern suburbs. It follows the Police investigation which led to the convictions of two persons.
Tuesday May 11th at 2.00 pm.
- 4) **Walk No 1 - Colonel Light Gardens & Daw Park** Map ref: **UBD 142 E7**
Meet in Mortlock Park Oval carpark, cnr Sturt Ave, and Freeling Crescent, Col Light Gardens.
Please also refer to General Notes for Walkers on Page 4.
Wednesday May 12th at 9.30 am.

General Notes for Walkers

Contact details: Judy Milford. 0408 842 479 or 8276 8228, Nola Byass 0411 066 014 or 7225 2673

- Walks start at 9.30 am. Please be at the departure point 5-10 mins before the starting time.
- If you have registered for a walk but are unable to attend please notify Nola or Judy so that the group knows not to wait for you and the number for coffee can be adjusted.
- Weather conditions: If the Bureau of Meteorology (BOM) forecast max. temp. is 32°C or over, the walk will be cancelled.
- Forecast rain: The walk will be held. Bring rain gear.
- Wear: Name badge with contact details for next of kin on reverse side (for use in case of an accident).
- **Please Note:** U3A Flinders will continue to adhere to all SA Health regulations in regard to group size and maintaining social distancing. Therefore, coffee during or at the completion of the walk, will only be taken under the auspices of U3A, if COVID-19 restrictions allow.

5) Patagonia

by **Jude Cahill**

Jude is a long-time member of U3A Flinders. In June 2015, she gave us a wonderfully evocative presentation of an expedition she had made to Northern India, enlivened by excellent photographs illustrating the teeming masses of the sub-continent. On this occasion, however, the tumultuous population is almost entirely absent – although the photographs are still excellent. Patagonia is remote, rugged, cold and sparsely populated. The contrast is remarkable.

Thursday May 13th at 2.00 pm.

6) Sweet or Bitter? The importance of food taste to metabolic health

by **A/Prof Tongzhi Wu**

Tongzhi Wu is a clinical research leader at the University of Adelaide, with an interest in nutrient-gut interactions and Type-2 Diabetes. His research aims to achieve a deep understanding of how nutrients and bioactive compounds modulate gut function, in order to develop safe, effective and inexpensive therapies for Type 2 Diabetes. In this talk, Tongzhi will discuss the outcomes of several recent trials from his group relating to artificial sweeteners and bitter taste flavouring on blood sugar and food intake.

Tuesday May 18th at 2.00 pm.

7) The Bedford Story

by **A Speaker (yet to be nominated)**

Bedford has been changing the lives of people with disability for over 75 years. As Australia's second-largest employer of people with disability, spread across 18 metropolitan and regional sites, Bedford supports more than 1,300 Clients and employs over 400 Staff. Clients are offered a diverse range of employment opportunities - including with a number of regional enterprises, from timber production in the South East to supporting the fisheries industry in Port Lincoln. This presentation will provide an overview of the organisation, its history, programmes, challenges and opportunities.

Thursday May 20th at 2.00 pm.

8) Book Group: *Olive Kitteridge* by Elizabeth Strout

led by **Janet Newman**

This book is a collection of thirteen narratives set in the fictional town of Crosby, Maine, USA and bound together by a single character, the retired school teacher Olive Kitteridge.

Friday May 21st at 1.30 pm at Parkholme Library, Duncan Ave, Parkholme.

BOOK GROUP: These meetings are held on the third Friday of each month at 1.30 pm at Parkholme Library. Members take turns (if they wish to) at choosing the book of the month (fiction or non-fiction), which appears in the U3A programme. They source their own copies to read (from libraries, e-books etc) then come along to discuss the book – even if they don't like it! Interesting discussions ensue. The coffee machine or a table at the library are no longer available but members are free to bring their own refreshments. New members always welcome, subject to social-distancing rules.

Contact Judy Milford on 0408 842 479 or 8276 8228 or milfords4@bigpond.com for further information.

9) Miscarriages of Justice and the Rule of Law in South Australia

by **Dr Robert Moles**

Dr Moles is an Adjunct Associate Professor at the College of Business, Government and Law at Flinders University. He was born and educated in the UK, graduating from Belfast University and completing his PhD at Edinburgh University. Since then he has held many academic positions in Belfast and throughout Australia. Bob will tell us about our own notorious miscarriage of justice here in South Australia, as well as explaining how his team is in the process of changing the appeal laws in this area right across Australia. They have helped to establish a new statutory right of appeal in SA, which is the first substantial change to the appeal rights anywhere in Australia in over 100 years, and has been adopted by other States.

Tuesday May 25th at 2.00 pm.

- 10) Walk No 2 – Hallett Cove to Hugh Johnson Reserve** Map ref: **UBD 164 G16**
Meet in Hallett Cove Shopping Centre on cnr of Lonsdale Highway and Quailo Street.
Please also refer to General Notes for Walkers at Walk No 1 on Page 4.
Wednesday May 26th at 9.30 am.
- 11) Discovery of a unique old Irish settlement near Kapunda** by **Susan Arthure**
Susan is a PhD Researcher in the Archaeology Department at Flinders University. It was her investigations of Irish history and archaeology, which led her to a 150-acre sheep paddock at 'Baker's Flat' outside Kapunda in 2013. She found scattered bits of pottery and glass left after the site was abandoned. The findings indicated a possible settlement, a "clachan", further supported by evidence of animals on the site. Further research revealed that more than 500 people lived in dwellings across a five to six hectare site. Susan will explain how she scoured newspapers, court reports, documents, photos and artefacts to support her findings. Further assistance was given by landowners and the Kapunda Museum and she was able to use modern technology to further her studies.
Thursday May 27th at 2.00 pm.
- 12) Keeping the Medics up to date** by **Prof Lambert Schuwirth**
Lambert is Strategic Professor for Medical Education, Flinders University of SA, and holds similar positions in The Netherlands, Taiwan and Maryland, USA.
This presentation will focus on one of the developments in the education of medical professionals, Programmatic Assessment, and will explain what societal changes - especially technology - have had an impact on the education of the health professions, and how the discipline has responded to it.
Tuesday June 1st at 2.00 pm.
- 13) Anaphylaxis to native stinging ants** by **Prof Robert Heddle**
Professor Heddle is a retired consultant physician and pathologist, and is a member of U3A Flinders. In this presentation, Robert will draw on his long experience of dealing with the effects of insect stings on humans, with particular emphasis on ants.
The hopper ant or jack jumper, an Australian native for 30 million years, causes about 30% of stings that give rise to anaphylaxis in SA. This means that after bee venom, which accounts for about 60% of anaphylaxes in SA, they are the second contributor. That statement ignores that hopper ants are distributed in the Adelaide Hills and the southern parts of the state, not for example on the bulk of the Adelaide plains. The inch ants are related but much more widespread and predominantly nocturnal and with the wasps make up about 10% of stings.
Thursday June 3rd at 2.00 pm.
- 14) Independent Regulation of Utility prices and Local Council rates** by **Richard Cawley**
Richard is a strategic advisor to utilities in the UK and Australia.
The SA Government proposes to enable independent setting of Local Council rates. This presentation outlines how this might be done.
Tuesday June 8th at 2.00 pm.
- 15) Walk No 3 – Village in the City Historic – City Southeast** Map ref: **UBD4 K15**
Meet on northeast corner of Hutt and Gilles street, Adelaide.
Please also refer to General Notes for Walkers at Walk No 1 on Page 4.
Wednesday June 9th at 9.30 am.
- 16) A look at China just four decades ago** by **Roland Earl**
Margaret and Roland visited China in 1981, 1982, 1987 (twice), 1988 and 1989 when the streets were more commonly crowded with bicycles, 'honey carts', and walking tractors rather than private cars or taxis. Much of the visit was controlled and all too often visitors were accommodated in 'tourist hotels'. Many Chinese locals had never before seen foreigners (big noses) and large crowds often gathered when the 'big noses' stayed for long in one location, such as when photographing trains. This presentation will cover a wide range of areas in China where it is now difficult to realise how poor much of China was.
Thursday June 10th at 2.00 pm.
- 17) Tales from India – past and present** by **Brian Harris**
Brian is a retired High School Principal, Student Counsellor and Poet.
Home to over a billion people, India is a vast and diverse country with much variety and richness in culture; it is also the world's largest democracy. This presentation will provide a historical overview of India and review the nation's response to welfare and other challenges such as the Covid pandemic.
Tuesday June 15th at 2.00 pm.

18) SA's Electric Vehicle Action Plan

by **Yvette Booth & Peter Natrass**

Yvette is Industry Development Officer and Peter is Manager, of Future Industries, at SA's Department for Energy and Mining.

Many of us are not yet convinced that electric cars can be successfully introduced within the timelines recently advertised. For example, there are still significant issues with batteries: they are bulky and heavy, they take a long time to charge, there are environmental issues over the mining of rare-earth metals and other materials, battery disposal is fraught with problems, and if you want to travel long distances you probably need another car with a conventional engine! No doubt Yvette and Peter will be able to reassure us about some, or all, of these issues, and reveal how SA Government intends to facilitate the development and future direction for environmentally friendly electric motor vehicles.

Thursday June 17th at 2.00 pm.

19) Book Group: *The Desert Vet* by Alex Tinson

led by **Margaret Milford**

The true story of an Australian veterinarian seeking adventure overseas with big wild animals.

Friday June 18th at 1.30 pm at Parkholme Library, Duncan Ave, Parkholme.

20) At the Toss of a Coin

by **Gerry McGinley**

Gerry is the proprietor of "At the Toss of a Coin" located in Brighton, and deals in fine quality collectibles such as: banknotes, coins, medals, sporting memorabilia, collectable cards, ephemera, stamps, etc. He will talk to us about collectables in general.

Tuesday June 22nd at 2.00 pm.

21) Walk No 4 – Aberfoyle Park Hub to Woodland Ridge Conservation Pk

Map ref: **UBD166 E14**

Meet in the Woolworths carpark off Hub Drive, Aberfoyle Park

Please also refer to General Notes for Walkers at Walk No 1 on Page 4.

Wednesday June 23rd at 9.30 am.

22) The impact of socioeconomic disadvantage on early death in Adelaide

by **Prof John Glover**

John is Director, Public Health Information Development Unit, Torrens University, Adelaide.

A study of the median age of death in Australia shows life expectancy varies by up to 20 years depending where a person lives. In this presentation, John will discuss the background to this astonishing finding, and discuss the reasons.

Thursday June 24th at 2.00 pm.

23) The Search for Water and Life on Mars

by **Dr Gabriella Caprarelli**

Gabriella is a Planetary Scientist and Adjunct Research Fellow, University of Southern Queensland. She is Founding Director and Chief Scientist of Hypatia Scientifica Pty Ltd. She appeared on ABC TV's Catalyst programme entitled: *Mars: The hunt for life*, on 2nd March 2021.

NASA's Mars Perseverance Programme achieved a successful landing on Mars on February 18th, 2021. Samples collected will be examined for signs of ancient microbial life, and will help characterise the planet's geology and climate, in order to pave the way for human exploration beyond the Moon.

Tuesday June 29th at 2.00 pm.

24) The Vikings – their lifestyle, literature, and more

by **Dr Lisa Bennett**

Lisa is a Senior Lecturer in English and Creative Writing in the College of Humanities, Arts and Social Sciences at Flinders University. She is also knowledgeable about the Medieval Period in history.

The Vikings have been getting much exposure in the Media recently, with particular emphasis being placed on their violent invasions and war-like behaviour. But – what were they really like? In this presentation, Lisa will provide a more nuanced picture of their life-styles, dwellings, clothing, and artefacts.

Thursday July 1st at 2.00 pm.

25) The background and practise of Tai Chi and Qigong

by **Rosemary Palmer**

Rosemary has studied Tai Chi and Qigong for over 30 years, and has been teaching since 1986, having studied under the tuition of several acknowledged masters. She gives workshops, seminars and public lectures on the philosophy and health benefits of these ancient Chinese arts – described succinctly as "mindful exercises, performed slowly and smoothly with concentration and balance". Just what the doctor ordered for U3A Oldies!

Tuesday July 6th at 2.00 pm.

26) Walk No 5 – Unley Park Historic

Map Ref: **UBD130 G11**

Meet in carpark in Addiscombe Place, Unley Park (at rear of Heywood Park)

Please also refer to General Notes for Walkers at Walk No 1 on Page 4.

Wednesday July 7th at 9.30 am.

- 27) Selected Palaces and Castles around the world – Part I** by **Mary Schumacher**
In this presentation Mary will take us to Thailand to see the Thai Royal Family's Summer Palace, and two very different palaces in southern Portugal – Queluz, a former royal palace, and the Pena Palace at Sintra. We will see parts of the Topkapi Palace in Istanbul, Turkey, before moving northwards in Europe, where we will visit the fantastic Palace on Isola Bella in Lake Maggiore in Italy, the incomplete palace constructed by King Ludwig on an island in Germany, called Herrenchiemsee, and a fabulous small palace in Cesky Krumlov in the Czech Republic. All have interesting stories and history.
Thursday July 8th at 2.00 pm.
- 28) De-mystifying the religious landscape of SE Asia** by **Prof Michael Barr**
Michael has spoken to us on several occasions, his most recent presentation being on the history and politics of Singapore.
South East Asia is a complex collection of nations, with an even more complicated assemblage of religious belief systems – such as Buddhism, Sunni Islam, Roman Catholicism, Protestantism, plus a great variety of traditional and “folk” beliefs. In this talk, Michael will attempt to provide us with an overview of this complex situation - within the limited time available.
Tuesday July 13th at 2.00 pm.
- 29) Avoiding the slippery slope!** by **Prof Susan Gordon**
Sue is Strategic Professor, Chair of Restorative Care in Ageing at the College of Nursing and Health Sciences at Flinders University. Her research involves collaboration with local councils, health service providers, and university colleagues to investigate healthy ageing and functional decline to better understand the opportunities to identify, measure, limit and reverse early changes that are often covert.
What are the things that change when we move from being healthy, to pre-frail, and then to frail? How do we know what is happening to us? And what are things we can do to address these changes? Find out what was learnt from a group of over 600 people aged 40 to 75 years of age in Adelaide, and how that information may be of help to members of U3A Flinders.
Thursday July 15th at 2.00 pm.
- 30) Book Group: *The Dictionary of Lost Words*** by Pip Williams led by **Chris Quantrill**
The author lives in the Adelaide Hills. She has delved into the archives of the Oxford English Dictionary and found a tale of missing words and the lives of women lived between the lines.
Friday July 16th at 1.30 pm at Parkholme Library, Duncan Ave, Parkholme.
- 31) Corruption in Government** by **Prof Adam Graycar**
Adam is Director and Professor of Public Policy at University of Adelaide. He is author of over 250 scholarly publications and is a Fellow of the Academy of Social Sciences in Australia. He also has 22 years' of experience as a senior government official with both South Australia and Commonwealth Governments.
The title of Adam's talk is self explanatory!
Tuesday July 20th at 2.00 pm.
- 32) Walk No 6 – Onkaparinga Wetlands** Map ref: UBD196 B3
Meet at carpark on Perry's Bend, River road, Noarlunga Downs Gate 12
Note: Coffee venue will be a short drive to Port Noarlunga.
Please also refer to General Notes for Walkers at Walk No 1 on Page 4.
Wednesday July 21st at 9.30 am.
- 33) Laying waste to pollution – an update** by **Prof Justin Chalker**
Justin is a Senior Lecturer and Research Leader at the Institute for Nano-Scale Science and Technology at Flinders University. He last spoke to us in February 2019 on his research into the conversion of waste into new materials that capture pollution, using used cooking oil and sulfur to produce a new type of multi-functional rubber to trap mercury pollution and oil spills. Justin will give us an update on this subject and on other projects he has been working on.
Thursday July 22nd at 2.00 pm.
- 34) Cyclone Tracy – was it worse than the Blitz?** by **John Reilly**
John is a long-time member of our U3A. In this talk, he will give us a brief overview of his life story – beginning in Belfast, Northern Ireland where, as a four-year-old, he experienced heavy bombing by the German Luftwaffe which caused massive death and destruction in his home city in 1941. Little did he know that, having moved to Australia in his 20's, followed thereafter by the acquisition of a wife and children, he would again experience the horrific onslaught of massive unstoppable forces and the destruction of his home – this time on Christmas Eve 1974 in Darwin – caused by nature instead of (deliberately) by fellow human beings. Interestingly, Cyclone Tracy homed in on Darwin with pin-point precision, just like the pilots of the Luftwaffe over Belfast.
Tuesday July 27th at 2.00 pm.

35) The (Anti) Social Network

by **Prof Emma Thomas**

Emma is a Professor at the College of Education, Psychology and Social Sciences at Flinders University.

Online technologies are exposing and magnifying critical aspects of social behaviour. In the past year, people have interacted more and with greater intensity online, prompting questions about many psychological aspects of human engagement. The behaviours of people engaging in revolutions and political violence, or misinformation and rumour (fake news) are being expressed and exposed on an immense scale never before seen, thanks to social media. Emma's research aims to quantify and investigate this vast global social experiment, to find out what motivates people to join extremist groups or donate to disaster relief, for example.

Thursday July 29th at 2.00 pm.

36) The Story of a deadly parasitic worm in humans

by **A/Prof Kirstin Ross**

Kirstin is Course-coordinator in Environmental Health at Flinders University.

Strongyloidiasis is an infection caused by a parasitic worm called *Strongyloides stercoralis*, which infects the gastrointestinal system. Worldwide, it infects an estimated 300 million people, making it more common than malaria. But so few people are aware of it that it has been described as the most neglected of all neglected diseases, and it is very common in Australian Indigenous communities. If a person becomes immunocompromised, the worm goes into a hyper-infective stage, causing horrific internal damage, followed by sepsis and – at this stage – generally death. Kirstin will give us a comprehensive overview of this appalling condition, and provide information about treatments and methods of avoiding infection.

Tuesday August 3rd at 2:00 pm.

37) Walk No 7 – Hove to Glenelg

Map ref: **UBD152 E1**

Meet on south west corner of the Esplanade and Wattle Reserve (situated between Hulbert & Wattle Streets).

Note: Please bring money for coffee during the walk

Please also refer to General Notes for Walkers at Walk No 1 on Page 4.

Wednesday August 4th at 9.30 am.

38) Traditions of the British Royal Navy: dress, rum and the Jolly Roger Flag

by **Mick Allinson**

Mick has spoken to us in the past about his life as a submariner in the Royal Navy. As part of a previous presentation, he showed a scary video of how to escape from a nuclear sub.

The modern Royal Navy traces its origins to the early 16th century; the oldest of the UK's armed services, it is known as the Senior Service. From the mid 18th century, it was the world's most powerful navy until the Second World War. The Royal Navy still maintains a large fleet of technologically sophisticated ships, submarines, and aircraft, including two aircraft carriers, two amphibious transport docks, four ballistic missile submarines (which maintain the UK's nuclear deterrent), seven nuclear fleet submarines, and many other vessels. In this talk, he will entertain us with some stories, facts and figures about the Royal Navy.

Thursday August 5th at 2.00 pm.

39) Development of a Vortex Fluidic Device, particularly in conjunction with a laser

by **Prof Colin Raston**

Colin is Professor of Clean Technology at Flinders University. Among his many scientific accolades, he has led the debate on green chemistry in Australia – including ways to reduce chemical waste. He last spoke to us in April 2017 about his (then) recently invented machine, the Vortex Fluidic Device (VFD). This machine can unravel proteins (as demonstrated by unboiling an egg) and has already been used to improve the delivery of cancer treating drugs. Colin and his team at Flinders University have successfully demonstrated many drug delivery applications of the VFD. Such advances demonstrate the ability of the device to provide benefits to a wide range of applications, such as in drug development in the pharmaceuticals industry. This is a wonderful story of the result of having an amazing flash of inspiration during a long boring flight.

Tuesday August 10th at 2:00 pm.

40) Snapshots from Tuscany and Emilia Romagna

by **Svante Orell**

During the period 1995 – 2010 Svante made several visits to this interesting and beautiful part of northern Italy, at a time when his daughter lived there permanently. He collected photographs over a long period of time during several tours and excursions from her home, first in Florence and later in Bologna, focusing on the many examples of beautiful architecture from the Middle Ages and the Renaissance, which are concentrated in this area.

Thursday August 12th at 2.00 pm.

- 41) The End of Angkor: A Collapsed Civilisation?** by **Dr Martin Polkinghorne**
Martin is Senior Lecturer of Archaeology, College of Humanities, Flinders University. He spoke to us in May 2018 on the subject of Angkor Wat and its empire, and amazed us with images obtained by tree canopy penetrating lidar technology, used to reveal an archaeological treasure-trove of hidden structures. In this talk, Martin will bring us up-to-date and discuss the latest archaeological research at Angkor, question long-held ideas about Cambodian history, and demonstrate how archaeological research has contributed to understanding the past. Angkor is often typecast as a definitive "Collapsed Civilisation", but why did it all go so drastically wrong? Martin will provide some theories for us to chew over.
Tuesday August 17th at 2:00 pm.
- 42) Walk No 8 – Torrens Linear walk from Brickworks** Map ref: **UBD117 H5**
Meet in carpark near the old Brickworks building (by the river).
Please also refer to General Notes for Walkers at Walk No 1 on Page 4.
Wednesday August 18th at 9.30 am.
- 43) Computers and Language Computational Psycholinguistics** by **Prof David Powers**
David is Professor of Computer Science and Director of the Centre for Knowledge and Interaction Technology and has research interests in the area of Artificial Intelligence and Cognitive Science. David's specific research framework takes Language, Logic and Learning as the cornerstones for a broad Cognitive Science perspective on Artificial Intelligence (AI) and its practical applications. He also sees science fiction as an excellent way of exploring the ethical and social implications of AI and other technologies and perceives this exploration as just as legitimate a part of AI as empirical implementation or philosophical debate – it is important for scientists to relate what they are doing in a way everyone can understand.
Thursday August 19th at 2:00 pm.
- 44) Book Group: *The Overstory*** by Richard Powers led by **Ron Alexander**
This is a story about trees, nature and people – and a relationship that holds the world together.
Friday August 20th at 1.30 pm at Parkholme Library, Duncan Ave, Parkholme.
- 45) What are Crypto-currencies and Bitcoin?** by **Dr Karlson (Charlie) Hargroves**
Dr Hargroves is Sustainable Development Fellow at University of Adelaide. He last spoke to us in 2016. Do you want to find out about Crypto-currencies and Bitcoin? Wikipedia describes them as follows. After reading this are you still confused? Charlie will unravel their mysteries.
(Description from Wikipedia)
Bitcoin is a decentralised digital currency, without a central bank or single administrator, that can be sent from user to user on the peer-to-peer bitcoin network without the need for intermediaries. Transactions are verified by network nodes through cryptography and recorded in a public distributed ledger called a blockchain. Bitcoins are created as a reward for a process known as mining. They can be exchanged for other currencies, products, and services. Research produced by the University of Cambridge estimated that in 2017, there were 2.9 to 5.8 million unique users using a cryptocurrency wallet, most of them using bitcoin.
Tuesday August 24th at 2:00 pm.
- 46) In the News** by **Tony van Kalken**
Tony, a long-time member of U3A, graduated from the University of Adelaide with a BA as a mature age student, majoring in Politics and Anthropology. He retains an interest in the and many other subjects. Tony finds the English language fascinating with its capriciousness, freakishness and spelling. He scours the newspapers for controversial and newsworthy items to present, while giving attention to the utterings on our TV channels. He relies on audience participation in he discussion, recognising the fact that this session is the only session in U3A Flinders to facilitate debate in matters of local, national and international importance.
Thursday August 26th at 2:00 pm.
- 47) Biographics of the British Royal Family** by **A/Prof Giselle Bastin**
Giselle is Associate Professor in English at Flinders University. She researches "royalism" with particular emphasis on the British Royal Family. The British Royal published biography and history industry is a large and lucrative one, and biographers and historians compete with one another to secure the right to be recognized as either an 'official' biographer (the highest 'rank') or an 'approved' biographer. In this presentation, Giselle will be detailing 'Who's Who' in the royal biographical pantheon and telling some of the stories about how the royal biographical pecking order came about and still operates to this day.
Tuesday August 31st at 2:00 pm.