



1982 – 2016

Happy 34th Birthday

SAAUC Inc.

SAAUCery

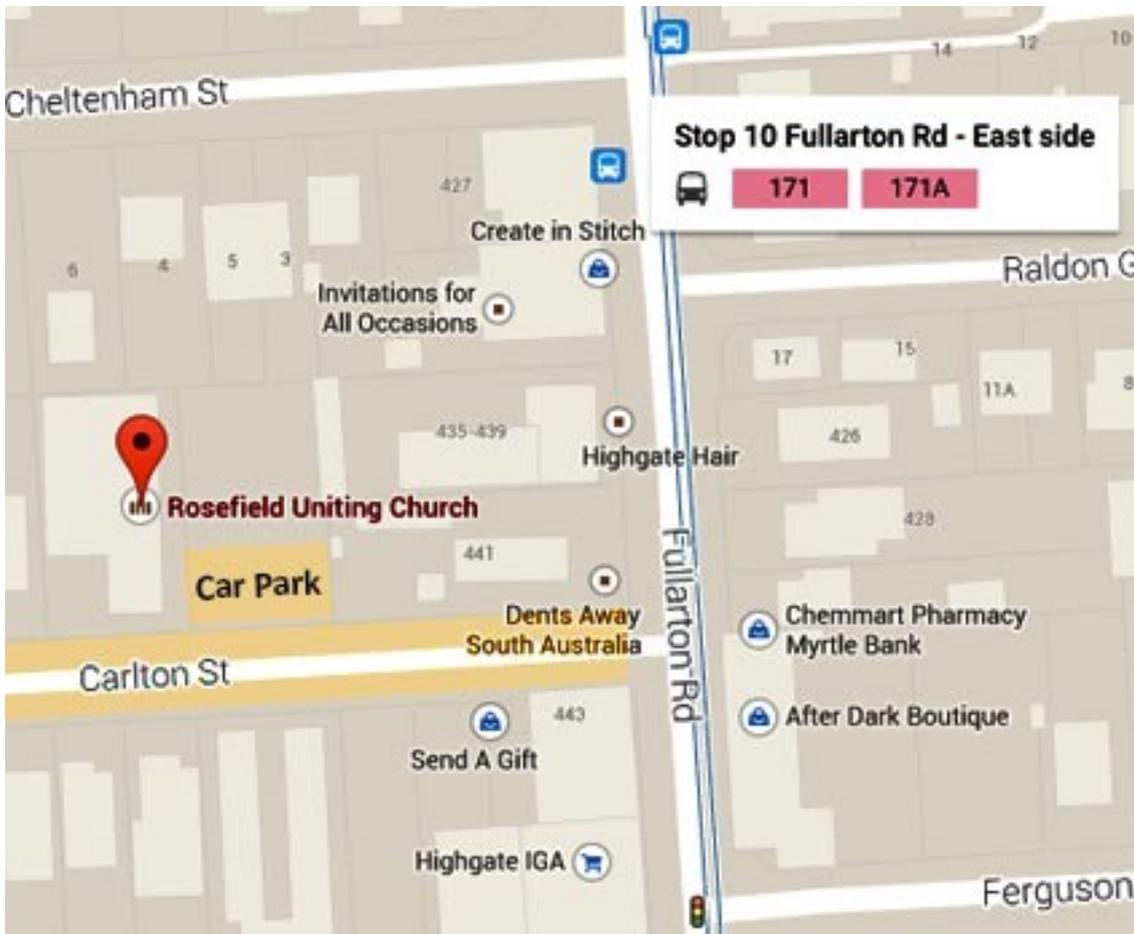
August 2016

August Meetings:

Friday 5th August @ 7:30pm

(doors open @ 7:00pm)

Special Interest Groups



& Wednesday 10th @ 2:00pm

Meetings at Rosefield UC 2 Carlton Street Highgate – off Fullarton Rd between Fisher Street & Cross Road

Street View <<https://www.google.com.au/maps/@-34.960106,138.624922,3a,90y,357.08h,90.59t/data=!3m4!1e1!3m2!1sbqkyXXNQ39xIB7LKVM0QyQ!2e0!6m1!1e1>>

Looking ahead

Friday 2nd September – Presentation (*to be confirmed*)

Wednesday 7th September usual meeting

Friday 7th October – SIG's

Wednesday 12th October usual meeting

Friday 4th November – John Bohmer 3D Printing Demo

Wednesday 9th November usual meeting

Friday 2nd December – Breakup for 2016 (Last meeting for 2016 – no Wednesday meeting)

From our President

The wonders that we are learning from the study of DNA never fail to amaze me. I recently read that a new technique, developed by University of Washington and Microsoft researchers, 'could shrink the space needed to store digital data that today would fill a large supermarket down to the size of a sugar cube'. In the eighteen years since Apple stopped including floppy drives in their computers we have seen an incredible hunger for more data storage, progressing through CDs, expanded hard drives, portable hard drives, USB drives, smart phones and the Cloud. We are heading towards an overload hence the research to find new solutions.

A lot is being written and said about STEM education subjects, Science, Technology, Engineering and Maths, and the need to encourage children to be enthused by these areas of learning. While watching the presentations of awards at the WWDC for the best Apps for 2016, I could not but be in awe of the developers of these delightful programs, how they were able to combine the best of technology with wonderful artistry to give the world the best that STEM and Humanities can be. In the face of all the problems our world has it is uplifting to see the good and the best our world can be.

Regards

Marie

Apple design awards

I made a list of these Apps as I was watching. They were so good. The only one I've downloaded, so far, is Inks which is such a different game.

STUDENT

Linum - game

Dividr - game

OPEN DIVISION

Frame.io - video share files uses 3D touch using Swift

Chameleon Run - game *****

Auxy Music Creation - music game

Streaks - Australia - to do list especially for Apple Watch - Swift

Lara Croft Go -game

3D4Medical CompleteAnatomy - brilliant - only on iPad Pro till later this year

Inks - creative game - absolutely gorgeous

Zova - fitness training app - Apple TV app

Ulysses - writing tool - based on Markdown , App Kit , synchronised with iCloud

djay Pro - music for DJ mixing - for iPad Pro - genius!!

Also

Mayflower Comic book - App Reviews Guidelines !!

Happy 34th Birthday SAAUC Inc.

(Extracted from SAAUC Groups email)

SAAUC was incorporated on 26/7/1982, making us 34. However the club had been running for some time before that, someone else may remember. Considering Apple began 1/4/1976 and was incorporated January 1977, our founders were pretty quick off the mark.

Happy birthday all
Marie

Before SAAUC became incorporated, I believe that a group of Apple II enthusiasts met informally at the Angle Park Computing Centre.

APCC was set up by the Education Department at Angle Park Technical High School to promote educational use of computers.

The Apple II was the most popular personal computer at that time.

Teachers were seconded to APCC to run training courses, write software and similar activities.

Two such teachers were Ralph Leonard, now CEO of SABRENet, and Dean Rosenhain, now a director of Planet Software.

The State Library of South Australia has Applesauce magazines back to Vol.2 Issue.1 June 1980. By that time, the group was calling itself SAAUC and meeting on the first Friday of the month at Computerland.

The office bearers were listed as "El Presidente" - Terry Neal, Vice President - Brian Jarman, Secretary - David Mooney, Treasurer - Tony Ashwell, Librarian - Dean Rosenhain, "sans portfolio" - Michael Philip.

Fees were \$5 to join plus \$10 per annum.

The president's column claimed "40+ members", though page 3 listed 39 members, including several schools.

Ralph Leonard contributed an article about self-modifying programs.

Peter Carter was a member from about 1981 or 1982.

Bob Owen from about the same time.

Kenneth Robinson is probably the earliest member (from 1984) who is still a member currently.

I joined in 1985.

Peter Jenkins

Mac Hardware Updates

Rumours about new MacBook Pro's, Mac Mini's, iMac's and Mac Pro's as well as all other Apple products abound.

Some of those Rumours are based on the fact that Apple has been slow to implement new chips and technologies over the last few years.

Even before Apple has moved to 6th generation "Skylake" chips in many Mac's, Intel have begun sales of 7th Gen "Kabey Lake" chips, although those so far released are not suitable for Mac's. Both 6th and 7th Gen iSeries chips use 14 nanometre (nm) pathways, and support USB3.1 and Thunderbolt 3.

Intel's roadmap aims to introduce 14nm "Kabey Lake in 2016, 10nm 8th Gen "Cannon Lake" in 2017 which will be faster, cooler and use less power, and 14nm "Coffee Lake" chips with 6 cores in 2018.

Some of the difficulty for Apple upgrading has to do with chip availability, Intel develop new chips faster than they can produce them in all the versions and quantities customers require.

There is also speculation that Apple may offer AMD CPU's in some Mac's (possibly Mac mini and iMac build to order). The reason for this is that new AMD CPU's are faster and cheaper than similar Intel ones, those used in games machines like the X-Box feature 8 cores.

Back in 2014, AMD released details of "Ambidextrous" computer chip development – 64bit x86 and ARM cores in the same chips.

AMD Radeon and FirePro GPU's are currently used by Apple.

USB 3.1 (with the Type-C connector) is only found on the MacBook so it is expected to be featured on upgraded Mac's fairly soon. This same connector is also used for Thunderbolt 3 (40Gbps – which is twice the speed of Thunderbolt 2) this is a very versatile connector but it is another change that will cost users dearly if they have many current peripherals, they will need to buy adaptors or hubs.

iPhone 7 Speculation

It will only end with product releases, then there will be rumours about the next model.

Feature and changes rumoured include: Thicker iPhones with better battery life, High res 3D / stereo cameras, Lightning headset connector instead of conventional jack., OLED, bendable glass screens, All glass cases.

These are but a few of them, it should only be a short time before we find out what Apple will release, perhaps there will be a host of announcements in September or October when WWDC OS announcements are released.

Other rumoured releases include:  Watch 2, iPadPro 2 and iPad mini 5.

Check out the News and Rumours...

<<http://appleinsider.com/>> <<http://www.macrumors.com/>> <<http://9to5mac.com/>> <<http://www.macworld.com/>>

<<http://www.techradar.com/au/news/mobile-computing/laptops/macbook-pro-2016-release-date-news-and-rumors-1318467>>

<<http://www.gizmodo.com.au/2016/07/iphone-7-rumour-roundup-everything-we-think-we-know/>>

<<http://www.express.co.uk/life-style/science-technology/694667/iPhone-7-6SE-No-Headphone-Port-Adapter>>

<<http://www.macworld.co.uk/news/apple/apple-watch-2-straps-cellular-rumours-release-date-march-event-touch-battery-3606039/>>

Software Compatibility

Over the years most of us have had problems with software that no longer works on a new Mac (or iPhone/iPad) or after upgrading to a new OS.

Where there is a free software upgrade or fix, this is just a hiccup but often the only way to get that software to work is to pay for a new version upgrade. At other times the software reaches the end of it's development and the file type is not able to be read by other Apps. (Appleworks .cwk)

Time marches on so hardware and software are continually being upgraded.

With Mac's you have the option to upgrade your OS, continue using what you have or even reverting to the OS X version that it came with and was built for.

This software guide may help you to decide what is best for you although information about the new Sierra is still being gathered.

<<http://roaringapps.com/#>> (choose and check an App you have) or <<http://roaringapps.com/apps>> which is a long list of Apps and what OS they work or do not work with.

Windows 10

for those who really need it...

Microsoft's free upgrade to Windows 10 from older versions of Windows is no longer available, it must now be paid for <<https://www.microsoft.com/en-au/windows/get-windows-10>>

Home version AU\$179, Pro Version AU\$299

You may be able to get it cheaper at a retailer.  Rob

More From Mike



OS X Hidden Treasures—Typing Exotic Characters

You can type all sorts of exotic and special characters on your Mac's keyboard, most of which are not represented on the keys themselves. To get these “specials”, you usually have to press multiple keys concurrently.

The sages at the venerable online newsletter TidBITS have just issued a useful article on how to find and type many of these characters.

You can find it at: <<http://tidbits.com/e/16606>>

μ^Ⓜé m^ -Öä®Î (That's mike millard in special characters!)

Addendum: The TidBITS team has just released Take Control of Preview, which they describe as “a veritable Swiss Army Knife”.

More info at <<https://www.takecontrolbooks.com/preview>>!

Some Observations on My Recent Holiday “Down There”

As was mentioned in the July issue in SAAUCery, I was on holiday in Australia most of June, preparation for which left me no time to write anything for that issue. Sorry about that!

I spent a couple of weeks in Sydney, where my two brothers live, a few days in Wagga (largest country town in southern NSW) with my sister, where I spent much of my childhood, and four days in Hobart being a tourist. (I don't know if my last full day in the country, July 2nd, the day of the federal election, could be called a highlight or not ...)

Each time I go to Sydney I see changes, but yet many things look the same. (I went out to a beachside suburb to find the block of flats I'd lived in from 1965 to 1969; it looked exactly as it did when I lived there!) The biggest changes in recent years in Sydney would have to be the number of motorways around the city and suburbs. I didn't try to drive there!

I went to Hobart mainly to see what it was like, as a couple of family members have recently moved there or worked there. They felt many “interesting things” are happening there, particularly in the area of the Arts. One day I was taken to see MONA (the “Museum of Old and New Art”). To create it, it looks like they bored way down into the sandstone and set up galleries on about five levels. There were some “quite interesting” items on display when I went. I stayed in a comfortable hostelry (the “Customs House Waterfront Hotel”) right on the waterfront, and just across from the Salamanca market precinct. There are still plenty of very old buildings and houses nearby, some likely dating back to the first days of the colony.

I was pleased to see that all my siblings are still Mac users (and have been for a long time!), but also how we are differentiated in the type of user. I and one brother are fairly “Mac DIY” types. My sister and the other brother are definitely “basic” users—they have a set number of things they use, they know the “moves” to accomplish what they want to do, but have to seek help if something strange comes up. My DIY brother's home Wi-Fi network has been based on an Airport Extreme in his home office at one end of his house. This gave reasonable coverage through most of the building, but only variable in his bedroom at the far end. He added an Airport Express to “Extend” the network, and put it in his bedroom. This gives him much better reception through the house now.

A Little Piece of Nostalgia

Finally, may I offer this little piece of nostalgia:

<https://www.youtube.com/watch?v=p3G5lXn0K7A>

The video has been updated, but the audio seems to be the original.

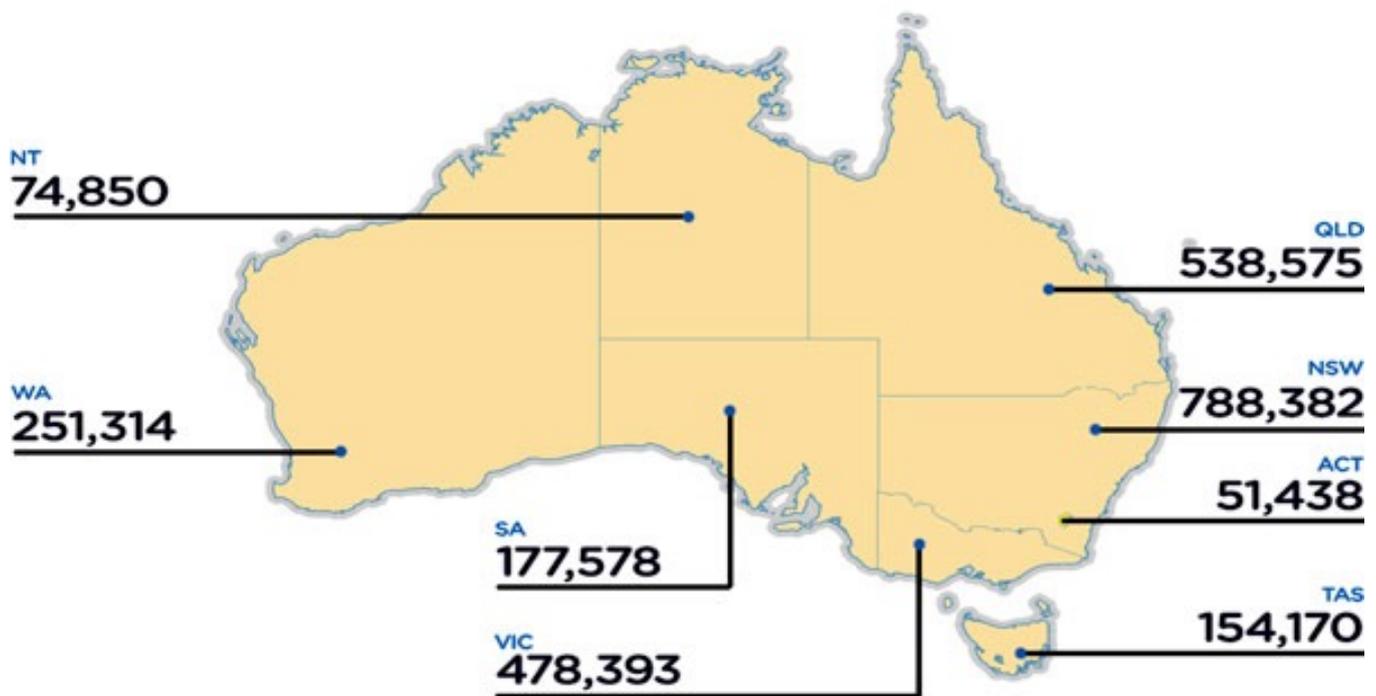
(As the smarmy waiter said: "Enjoy!!!")

NBN Presentation

Our guest speaker in July, Richard Velasquez, shared more about the NBN, previously, John Bohmer told us about his experience of being connected with Fibre (FTTHome or FTTPremises), Richard refreshed that information but also explained more about the technology and network design. Richard worked for the NBN as a Quality Supervisor after retiring and moving to Australia from the US of A where he worked for over 40 years at AT&T as a Design Engineer and Trainer.

Our progress so far*

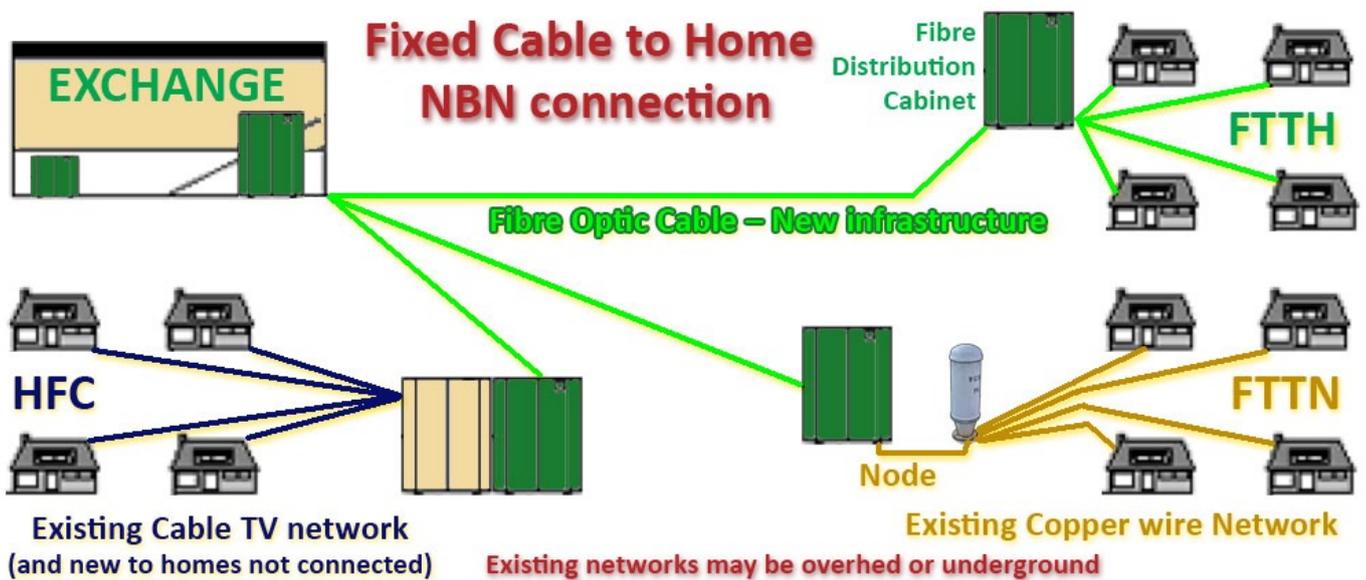
2,514,700 premises ready for service†



Map from NBN site - *June 2016

Apart from new in housing developments, (know as Greenfield developments) where there is no existing copper phone or cable network, (and in areas where Fixed Wireless or satellite will be used) it appears that most NBN upgrades will now be via FTTN (Fibre To The Node) using the copper wire network or HFC (Hybrid Fibre Co-Axial - a higher capacity copper wire) using existing pay TV cable networks.

Richard believes that this is not a wise or economical choice. The only savings is the length of the fibre and possibly home/premises installation but the cost of building, equipping and powering each Node (FTTN or HFC) to covert the digital fibre flow (light) to copper (electric) does not seem to have been taken into account. Each Node is like a mini exchange as some functions and equipment like DSLAM units will need to be installed in the node cabinet. Also, existing copper will have a limited lifespan, copper wire will be past it's best after 30 years of service many lines are older than this now. My digram is based on the one used in the presentation, it includes HFC but does not show connection to business or multi dwelling buildings, however, the same methods are used, Fibre cable brings data to a local distribution cabinet where it is channelled to individual users by one of the three methods shown. Alternatively connection can be via Fixed Wireless (LTE/4G as used by phones) or Satellite where cabling is not practical.



Richard believes that this is not a wise or economical choice. The only savings is the length of the fibre and possibly home/premises installation but the cost of building, equipping and powering each Node (FTTN or HFC) to convert the digital fibre flow (light) to copper (electric) does not seem to have been taken into account. Each Node is like a mini exchange as some functions and equipment like DSLAM units will need to be installed in the node cabinet. Also, existing copper will have a limited lifespan, copper wire will be past its best after 30 years of service many lines are older than this now. My diagram is based on the one used in the presentation, it includes HFC but does not show connection to business or multi dwelling buildings, however, the same methods are used, Fibre cable brings data to a local distribution cabinet where it is channelled to individual users by one of the three methods shown. Alternatively connection can be via Fixed Wireless (LTE/4G as used by phones) or Satellite where cabling is not practical.

Only Fibre To The Premises (aka FTTH) provides the full potential for the data capacity and speed available via the network. HFC is much faster than FTTN. With both of these there is a distance and capacity limitation which governs the locations and number of nodes required to provide adequate service to customers.

For those about to be connected, take up the offer to be connected even if you do not use current landline or cable services. It will devalue your home if it is not connected when access to current services are cut off, it will be very expensive to be connected after the rollout. For FTTN connection there is less of a problem as you will continue to use the existing phone wires but you still need to have a line connected. This advice is general, read all information you receive and talk to the NBN and your ISP for advice about your installation.

Rob

Solar Impulse 2

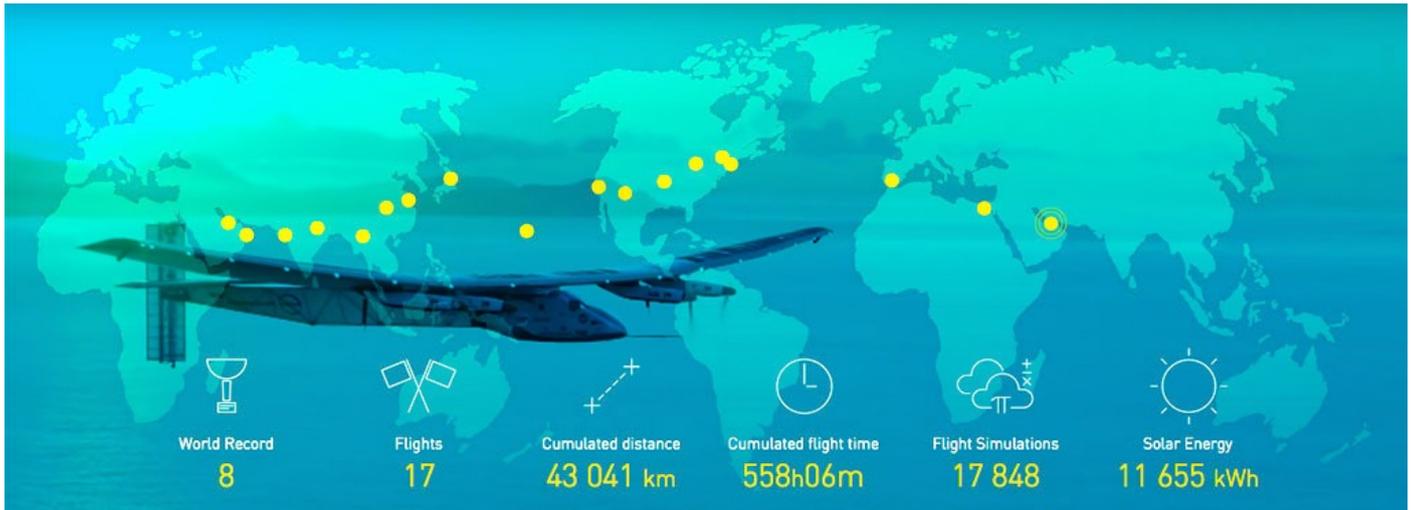
Around the world trip completed

<http://www.solarimpulse.com/>

They have done it, flown around the world using only solar energy. Apart from proving that it could be done, the team wanted to highlight that so much more can be done with renewable energy to enable people to have a pollution free future. The project is not aimed at producing electric aircraft just yet, it took a large global team to achieve their success, a big part of that was ensuring that the plane flew only when the weather was suitable. The craft could only carry one person so much more development will be needed before a practical, load carrying craft could be a viable alternative to more conventional aircraft.

This will no doubt encourage others to follow their dreams, to develop their ideas and improve technology. Who knows what it may lead to?

Rob



"Abu Dhabi, United Arab Emirates, 26 July 2016 – Taking turns at the controls of Solar Impulse 2 (Si2) – their zero-emission electric and solar airplane, capable of flying day and night without fuel – Bertrand Piccard and André Borschberg succeeded in their crazy dream of achieving the first ever Round-The-World Solar Flight. By landing back in Abu Dhabi after a total of 21 days of flight travelled in a 17-leg journey, Si2 has proven that clean technologies can achieve the impossible. Beyond this historic milestone, the two Swiss pioneers will continue to urge the global implementation of energy efficient solutions through the creation of the International Committee for Clean Technologies and leverage the expertise and technology gained over the years in Solar Impulse by launching new innovative projects, such as the development of solar powered drones. Join the movement with #futureisclean" Text from <<http://www.solarimpulse.com/>>

**SAAUCery is the monthly newsletter of
South Australian Apple User Club Inc.**
saaucsecretary@gmail.com – <http://www.saauc.org.au> – <https://www.facebook.com/saauc>
Editor: Rob Fazakerley (Secretary)

If you do not want to receive copies, please email us.

Images, Trade Marks, company and product names are the property of the respective owners and are used for educational, information and descriptive purposes only.
Original content © SA Apple Users' Club Inc.