



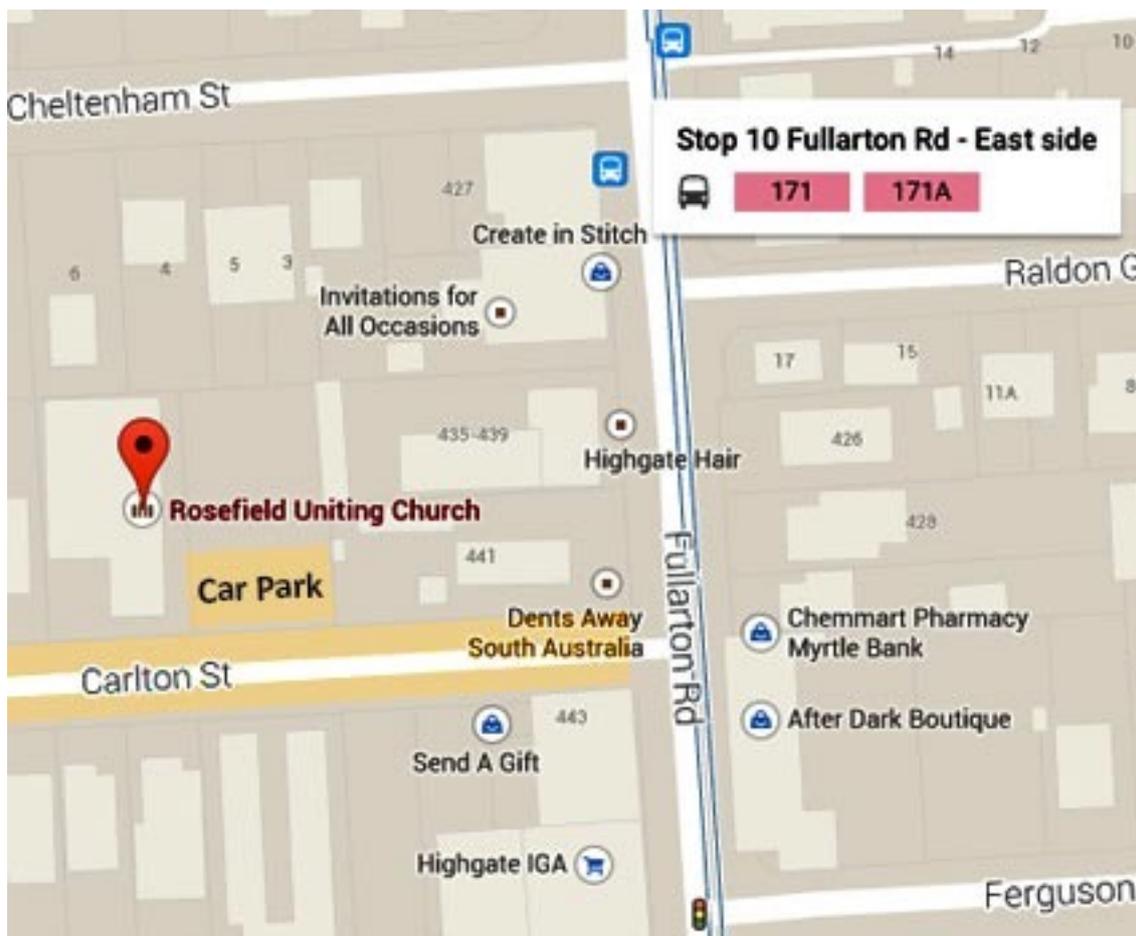
July Meetings:

Friday 1st July @ 7:30pm

(doors open @ 7:00pm)

Our guest speaker, Richard Velasquez, will be speaking about the NBN.

Born and bred in California, Richard has worked for 43 years in the telecommunications industry, the majority of which were with AT&T in the U.S. as a Senior Design Engineer and Corporate Trainer. In South Australia he worked for 1 1/2 years as a Quality Inspector on the NBN rollout.



& Wednesday 6th @ 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!1sbqkyXXNQ39xIB7LKVM0QyQI2e0!6m1!1e1>>

Looking ahead

Friday 5th August – SIG's

Wednesday 10th August usual meeting

Friday 2nd September – John Bohmer 3D Printing Demo (*to be confirmed*)

Wednesday 7th September usual meeting

Friday 7th October – SIG's

Wednesday 12th October usual meeting

Friday 4th November – Presentation

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



From our President

Apple's WWDC was almost two weeks ago and I have watched the Keynote twice, the second time writing two pages of notes of the points which stood out to me. The direction is integration across devices, Continuity - copy something on your iPhone and paste it into a file on your Mac - continuity across all devices.

OSX will become macOS and the next OS for Mac will be called Sierra - more images of rugged mountains. Photos and iTunes have major changes but the biggest changes will be in iOS10. Notification and Control Centres and the apps found there will be accessible from the locked screen, Siri will be opened up to developers, Maps have an all new design and will also be open to developers and then there's Messages.

Messages will be huge. Probably the biggest crowd reaction at the Keynote was the announcement that Emojis will be 3 x bigger. Of all the amazing things going on buried inside all their carefully designed equipment, these quirky little icons got the most applause 🙌 !? But there's more. iMessage will predict an emoji instead of a word, there will be bubble effects, videos playing in messages, invisible ink, handwritten messages, full screen effects and open to developers to create new ways for messages.

The new software for iOS, WatchOS, TVOS and macOS will arrive in September/October and I think we will have a lot of fun with the changes.

Regards

Marie 😊

WWDC June 13–17, 2016

It's all about the software



Apple have surprised many once again by taking the WWDC back to its roots. It was all about software, no hardware releases as rumoured.

The Keynote

The 2 hour Keynote was intense, Apple has been very busy and now the developers will be busier learning about the new possibilities for improving their Apps and building new ones. There is so much information that one look may not be enough to grasp it all, I see that Marie has highlighted points that I skipped over, so if you have the time see the Keynote for yourself.

You can view the Keynote via the US Apple site <<http://www.apple.com>> or the Developer site <<http://apple.co/1YnT66w>> both have further details about the announcements. Or the MacRumours 7 minute overview video may satisfy your curiosity. <<http://www.macrumors.com>> (also on YouTube)

Interview: Phil Schiller and Craig Federighi (14/6/16)

<<http://www.appletips.nl/ifun/interview-wwdc-2016/>>

This 1 hour 18 min video explains more about announcements.

Developers – Very Important Partners

The App Store now has over 2 Million Apps available earning Developers nearly US \$50,000,000,000 (Billion) since opening.

Tim Cook shared how Apple and App Developers need each other.

Within the Keynote is a short video about developers <<https://www.youtube.com/watch?v=cJAGqDYmW1o>> which hints that anyone can code if they want to learn.

Apple will release a free iPad App “Swift Playground” to enable kids to learn Swift 3 coding. It might also help adults come to grips with coding too. Until now Mac’s have been used to create iOS Apps so being able to create on an iPad is quite an advance.

Swift 3

The release of Swift 3 makes it even easier to use and also more capable. So far over 100,000 Apps have been built with Swift, Apple's own, open source programming language.

Siri, Apple Pay, Maps, iMessage and iCloud Drive all improved

All OS upgrades include an expanded role for upgraded versions of these core technologies which are also now available for developers to use to add functionality to their Apps. Developers will also be able to integrate secure ID login into their Apps.

iOS 10, WatchOs 3, macOS Sierra and tvOS upgrades available in our Spring

Apple are releasing all four OS for developer preview now and public beta versions in July. Watch OS 3, tvOS, iOS 10 and macOS Sierra (note; name of the desktop OS has now dropped the X) will be available as free upgrades in the Fall (Spring in our hemisphere).

WatchOS 3

7 times faster App launch, scroll through App finding, more iOS like interface, Scribble (write on screen - converts to text), SOS (emergency services calling incorporating Medical ID, Maps location and next of kin calling).

Health Apps: Activity is now useful for wheelchair users and Breathe encourages healthy breathing exercises and monitoring.

ApplePay now from Watch, More stand alone abilities – and more.

tvOS

Tim says "The future of TV is Apps." and so far Apple TV has over 6,000 of them. Improvements include better Siri searching, YouTube search, dark mode, game controller support and better integration with iPhone and iPad.

macOS Sierra

Continuity has been improved allowing seamless connectivity with other Apple devices. Auto Unlock allows iOS devices with fingerprint ID to be used instead of passwords. "ApplePay to web" using iPhone ID verification, tabs in all windows, picture in picture video and Siri search and actions are among the new and improved features.

<http://www.macrumors.com/2016/06/16/siri-on-mac-macos-sierra/>

macOS Sierra should work with the following Mac's.

2009 and later: MacBook iMac

2010 and later: MacBook Air MacBook Pro Mac mini Mac Pro

iOS 10

Hailed as the biggest iOS release ever, the keynote highlighted 10 major improvements and additions.

Better integration with CarPlay and VOIP calls are just two of them.

Maps now includes the ability to remember where you parked your car!

iOS 10 should work with; iPhone 5 and later , iPad 4th Gen and later

Photos & Apple Music

Photos has had many improvements made including “Memories” that can auto create/edit movies from still pics and trim to a soundtrack. Apple Music has been rebuilt and expanded.

APFS

Not mentioned at the Keynote but released at the WWDC is news and information about a new file system for all Apple devices called APFS. The new file system is tailor made for solid state memory (SSD's) and provides multiple encryption options.

Different files can have different native encryption applied.

See: <<http://maagg.com/blog/digging-into-the-dev-documentation-for-apfs-apples-new-file-procedure>>

<<http://appleinsider.com/articles/16/06/23/inside-apfs-new-apple-file-system-detailed-at-wwdc-to-replace-hfs-in-2017>>

<<https://www.infoq.com/news/2016/06/apfs-apple-file-system>>

It will not be backwards compatible with El Capitan and earlier OS's but the release is not scheduled until 2017 or later.

Note that the file system only effects how files are stored in a HDD or SSD but does not effect the files themselves.

For instance, a .pdf, .jpg or other file type is the same irrespective of how it is stored on a computer (HFS+, DOS Fat, NTFS etc. disk formatting).

The compatibility issue mentioned above is with the Operating System's ability to interact with the file storage system.

Mac OS X now needs to reside on an HFS+ formatted drive in order to work but can read & write files on external disks using other formatting.

Future macOS versions will require APFS formatting.

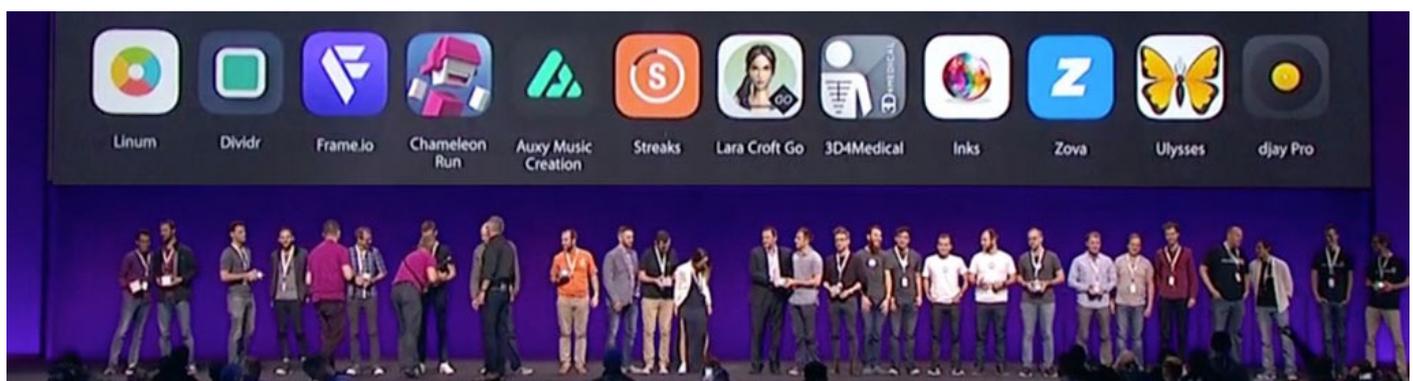
Details of the above are available from <<http://www.apple.com>> or <<http://www.macrumors.com>> and will be shared here when the releases are announced.

Rob.

WWDC 2016 Apple Design Awards

2 out of 10 Awards go to Australian developers

<<https://developer.apple.com/design/awards/>>



In The Advertiser, Wednesday June 15th, I spotted a short article about Quentin Zervaas who won an award for “Streaks” which he created with business partner Isaac Foreman (see above link for App details). (Left pic below)

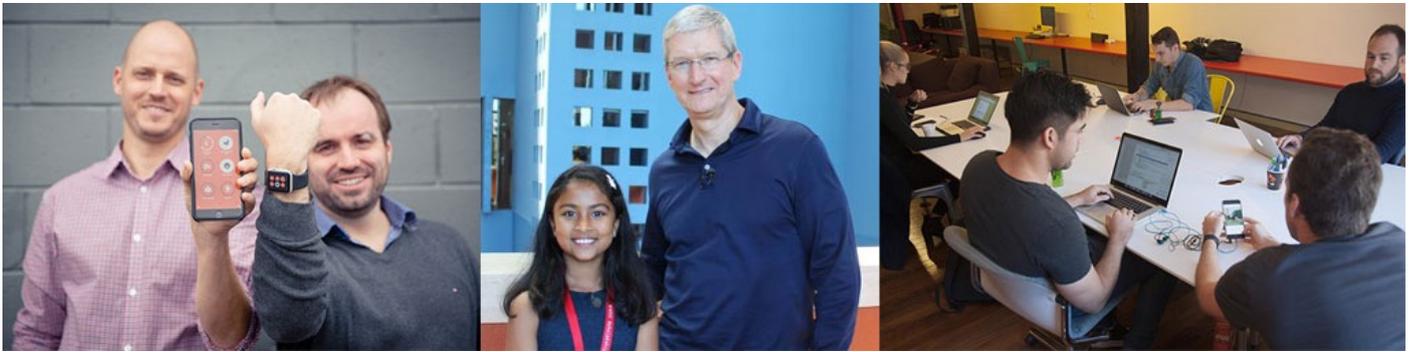
Quentin is from Adelaide, he was married then four hours later flew off to San Francisco after being informed that he and Isaac had won the award.

James Tonkin and Niall McCarthy won their award for “Zova” a fitness App employing video they began writing in 2007. (See above link for App details.)

Youngest Developer is an Aussie

In the Keynote video Tim Cook points out the youngest developer at the WWDC, Anvitha Vijay is 9 years old and lives in Melbourne.

<<http://www.news.com.au/technology/apple/apple-boss-tim-cook-singles-out-nineyearold-aussie-app-maker-as-one-of-the-worlds-best/news-story/645effb973ef1125125f2ab3472ebd17>>



So, what about the hardware?

All those rumours and expectations were not realised. However, it is not unusual for Apple to just announce upgraded products "on the fly" without any fanfare. This happened with the last hardware release, the recently upgraded MacBook, earlier this year the iMac 4K was introduced and the 5K iMac's received new chips and enhanced screens. There have been other instances where new hardware just appears for sale without any publicity.

While it seems unlikely that many hardware upgrades would silently come to market at once, we will just have to wait and see.

Thunderbolt Display Discontinued

<<http://appleinsider.com/articles/16/06/23/apple-discontinues-thunderbolt-display-no-replacement-announced>>
When current stock is gone, that's it, no Apple monitors available. Of course there is speculation about a replacement.

Most rumours focused on a 5K Retina display with its own Graphics card on board (powered by your Mac via Thunderbolt),

<<http://appleinsider.com/articles/16/06/24/apple-still-working-on-next-gen-external-display-with-integrated-graphics-card---report>>

maybe but not yet.

AppStore & AppleStore Changes

Apple are changing the way Apps advertised, opening up more subscription options and changing the fee structure for developers.

AppleStores have had a revamp. Their staff security systems have also been strengthened after some embarrassing thefts.



Mike is Down-Under

Yes, Mike has been visiting his brother in Sydney and also taking a look at the Apple Isle – he is unable to get to Adelaide on this trip.

Before he left, he sent me this:



(Smaller & further cropped version of Mike's pic.)

We've had a bald eagle's nest in a tree across the road from us for years. This season they've had a litter. Today saw this eagle out on a branch about four metres away from the nest; the other was on a branch in an adjacent tree. A bit unusual to see this.

(Had to use my 75-300 telephoto lens at full zoom to get this, then cropped a bit!)

Mike.

Canada Day

The day of the next cub meeting (Friday 1st July) is also Canada Day, just thought you would like to know.
(Rob)

The time to rescue your old videotapes is right now

<<https://www.yahoo.com/tech/the-time-to-rescue-your-old-videotapes-is-right-192129515.html>>

This article by David Progue is based around his experience using a US video digitising service but the information he shares is relevant to anyone wanting to rescue video that was captured on tape.

The main point was that tape deteriorates with age, digitise now before yours are unsalvageable.

A VHS video is only 333 x 480 pixels! Even MiniDV camcorder video, which is digital, is only 640 x 480 pixels.

Here's what a VHS tape looks like at full resolution on a 15-inch laptop screen (2880 x 1800 pixels):



This explains why VHS tapes played on modern HD TVs look so awful, they are scaled up to fit.

If your old taped videos are important to you, the size will not matter as much as keeping the content.

Rob

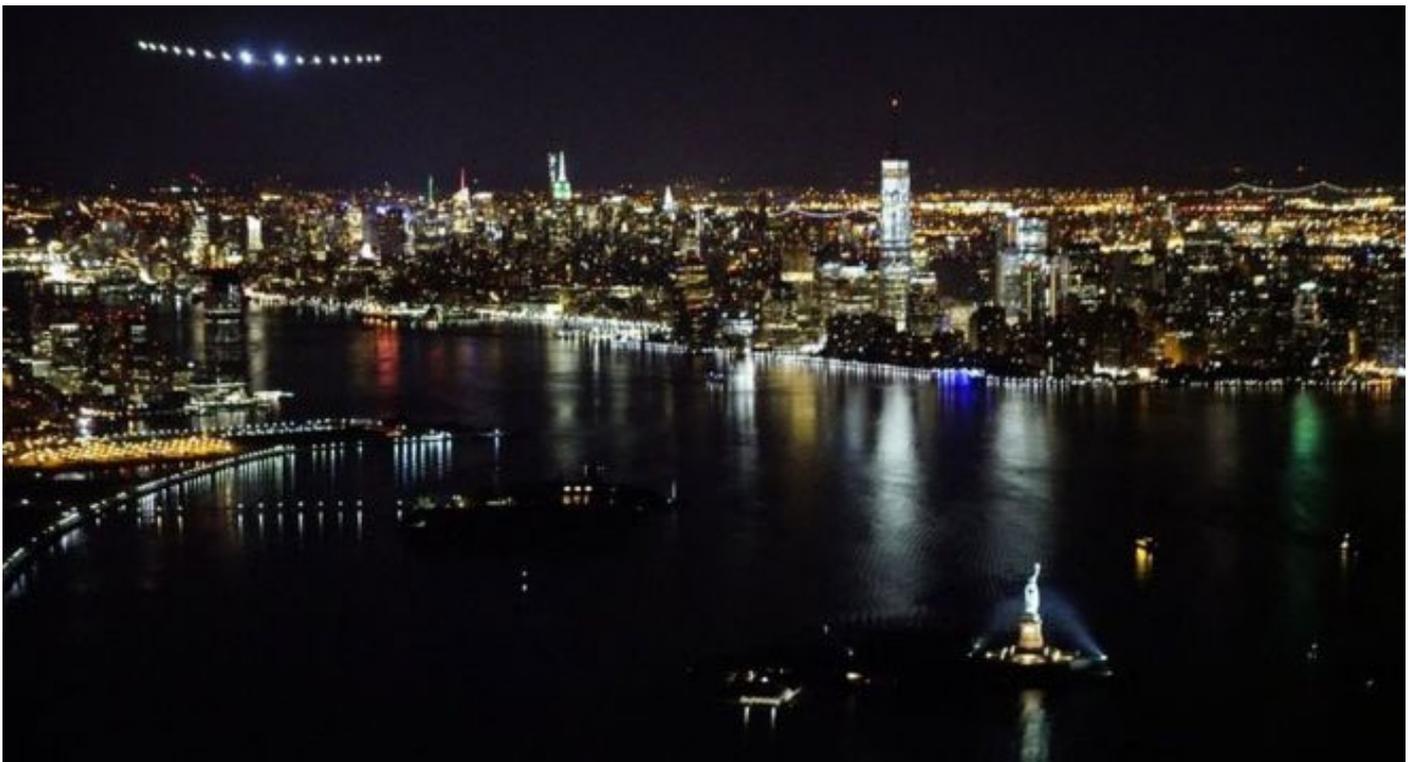
Solar Impulse 2 update

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

At the time of writing, Solar Impulse 2 is in Seville Spain having crossed the Atlantic on flight 15 of 17 flights on its around the world journey. The solar powered electric aircraft was built to demonstrate the possibilities for future technologies and inspire further development. I have not read about this project in the press, maybe we will when they complete the trip, which should be before our next issue.

(Note that Apple have embraced Solar Electricity generation and have formed a utility company to sell excess from their premises.)

Rob



Solar Impact 2 flying over New York and the Statue of Liberty

More about the future

Some time ago, I was sent an article about how the world is changing and how people often do not see change coming, it also highlights some of the new technologies that will likely accelerate change in the next decade or so and its impact on how people communicate, education, health and jobs.

The article is too long to include here but if you are interested I can send you it.

A web search reveals many similar articles and videos, this link was attached.

<<http://thefutureishere.economist.com/>>

Other links: <<http://www.smithsonianmag.com/future-is-here/?no-ist>>

Computers, the Macintosh, smart Phone, digital camera and industrial robots are examples of technologies that have changed whole industries, jobs and lifestyles.

Autonomous (self driving) Cars

By now most people are aware that car makers, Google, LG, probably Apple and others are experimenting with self driving car technology.

In about 1965, I read of an experimental Ford that had an auto-pilot system (using RADAR), so the idea is by no means new.

Since then technology has come a very long way, GPS was not yet invented and it was not made public until 1983.

Much "Future" technology is actually with us now, it just needs a bit more work and the appropriate legal framework available in order to be implemented.

<<http://www.ibtimes.co.uk/fully-autonomous-driverless-car-future-here-already-1512075>> (Tesla's cars are similarly equipped.)



**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 information and descriptive purposes only.

Original content © SA Apple Users' Club Inc.