



# BROWSER NO. 231

## JUNE 2026

### Return address:

**Busnet Computer Club Inc.,**  
22 Peel Terrace  
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Busselton Senior Citizens' Club  
email address: [manager@bscc.net.au](mailto:manager@bscc.net.au)  
Web maintained by [kg@kgweb.au](mailto:kg@kgweb.au)

The Busselton Constitution is available on the Busnet website:  
[busnet.org.au](http://busnet.org.au)

This is a very useful and interesting site with lots of up to date information about our Club.

### Busnet Clubroom Opening Hours:

Monday, Wednesday, and Friday afternoons from 1:00 to 3:30 PM  
(Except Public Holidays)

*Welcome*  
**NEW MEMBERS**

Delwyn Douglas	Peta Saunders
Eileen West	Sonya Lyon
Jennifer Leggoe	John David



Got a suggestions for inclusion in future editions of you Browser?

Email: [publicity.busnet@gmail.com](mailto:publicity.busnet@gmail.com)



### Editorial:

Welcome to the June 2026 edition of your Browser.

So the State Government have opened their pockets and as long as you have a drivers licence you are entitled to claim a one off \$100 fuel support payment from 01 Jul 2026. The catch is that they want you to claim it via the Services WA app.

Those pesky little QR codes seem to be everywhere, but do you know where they originated from and if it wasn't for COVID they may never have become so prolific.

The MacOS recently passed 25 years so in this edition we take a bit of a walk through the history of the MacOS.



Alex (a.k.a. Grumps)  
Editor

### Show Me The Money



WA State government has announced a one-off \$100 payment will be provided to support fuel costs from 1 July 2026 for people with a valid Western Australian driver's licence.....[Read More](#)

### From Game to a Game-Changer

The humble or dreaded QR Code, depending on your perspective seems to be everywhere in our lives today, but where did it come from and how did it become so entrenchment in our daily lives.....[Read More](#)



### 25 Years of Mac OS



The history of Apple's operating system is a tale of two distinct architectures, evolving from a niche graphical pioneer into a powerhouse of modern computing. 2001 was the first release of the Mac OS X (Cheetah)..... [Read More](#)

### Club News

Our latest social morning tea was held at the Urban Coffee House on Friday 8th May.

Membership renewals fall due on 01-Jul-2026.

### [View our June 2026 Volunteer Roster](#)

**June Trivia:** Did you know it was the month of June that the Apple II was first sold and the first mobile phone virus was discovered, just not in the same year.



# Show Me The Money

## \$100 Fuel Support Payment from WA Government



WA Drivers with a valid licence can receive a **\$100** payment to help with rising fuel costs from 1 July 2026



In the latest budget the WA State government announced a one-off \$100 payment will be provided to support fuel costs for people with a valid Western Australian driver's licence, including learner's permits, provisional and extraordinary driver's licences from 1 July 2026. The \$100 handout will be free to use on anything, not just at the bowser.

More information about the payment can be found at:

<https://www.wa.gov.au/government/announcements/support-payments-available-july-western-australians-the-servicewa-app>



### How to access your \$100 payment:

The quickest way to get access your money from 1 July 2026 will be the ServiceWA app.

The app has already been used by about 500,000 Western Australians as it is the same way the existing Student Assistance Payment is primarily administered.

For those who haven't yet used the app, you'll need to download it first.

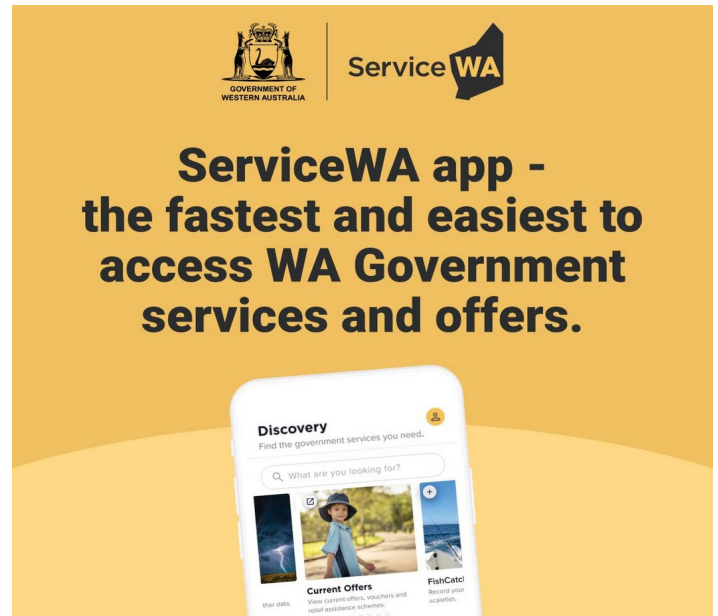
You will then need to create an account by using a Digital ID made through the Federal Government's myID app.

Once completed and July has rolled around, the payment will be available through the offers section of the ServiceWA app, where you'll have to put in your driver's licence details.

The WA State Government has indicated that alternative claim options will also be available for people who are unable or do not wish to use the app.

### About the ServiceWA app

The ServiceWA app is a secure and convenient mobile app provided by the Western Australian Government. The app helps connect you with WA State Government services all in one place.



Further information about the ServiceWA app can be found at the WA Government Web Site:

<https://www.wa.gov.au/organisation/servicewa/servicewa-app/about-the-servicewa-app>

### Download the ServiceWA app

The ServiceWA app is available to download on the [Apple App Store](#) and [Google Play Store](#).



### Don't have the app and not sure what to do?

If this all feels to complicated and your not sure what to do, feel free to pop into your Busnet and our volunteer technicians will endeavour to help you, with this or any other computer or peripheral concerns you may have.

# From Game to a Game-Changer



The humble or dreaded QR Code, depending on your perspective seems to be everywhere in our lives today, but where did it come from and how did it become so entrenched in our daily lives.

The QR (Quick Response) code is an ubiquitous part of modern life, appearing on everything from restaurant menus to digital payment systems. However, its origins are rooted far away from consumer tech—in the fast-paced world of automotive manufacturing.

## 1. The Toyota Connection (1994)

In the early 1990s, the Japanese company “Denso Wave” (a subsidiary of Toyota) faced a logistical problem. Their assembly lines used standard barcodes to track parts, but those barcodes could only hold about 20 characters of data.

As car manufacturing became more complex, workers had to scan up to 10 different barcodes on a single component just to get all the information.

A team led by Masahiro Hara set out to create a 2D code that could store significantly more information and be read at high speeds.



Masahiro Hara

## 2. Design and Innovation

There is some controversy about what inspired Mr. Hara to develop the QR Code. One story is about lunchtime at Denso, a time to divert one’s attention to earnest play. The lunch tables had gameboards of a popular game called GO, an ancient Chinese board game based on a grid and white or black stones.



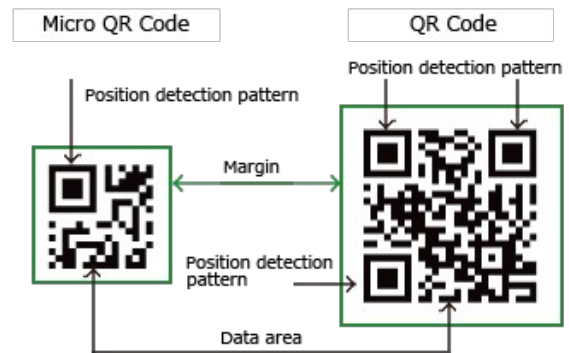
Go (Chinese board game) orientation, a brilliant inspiration.

Mr. Hara recognised the possibility that the gameboards black-and-white pattern could be adapted to indicate the data sequence. Square finder patterns would occupy three of the four corners of the new

symbol. This would enable the symbol to be correctly decoded regardless of its orientation.

Two years later, in 1994, the QR Code was introduced. It could encode approximately 7000 characters including Kanji, and the data could be decoded up to ten times faster than other codes. Denso Corporation announced the release of their breakthrough in 1994. They decided to call it the QR Code. “QR” stands for “Quick Response”.

By using a square grid instead of lines, the code could store data both vertically and horizontally.



**Position Detection:** The three distinct squares in the corners allow scanners to recognise the code instantly and read it from any angle (360°).

**Error Correction:** One of the most critical features is the QR code's ability to remain readable even if it is dirty or damaged (up to 30% of the code can be obscured).

**Open Access:** In a brilliant move for global adoption, Denso Wave decided to make the patent public and free to use, ensuring it wouldn't be locked behind a paywall.

## 3. Global Expansion and the Smartphone Era

Initially, QR codes were strictly industrial. However, the 2000s saw a shift as mobile phones with cameras became common in Japan.

**2002:** The first mobile phones with built-in QR scanners were released in Japan, leading to their use in advertising and coupons.

**2011:** Popularity spiked in the West, though it was initially hampered by the need for third-party "scanner apps."

**2017:** A major turning point occurred when Apple and Android integrated QR scanning directly into their native camera apps, removing the friction for the average user.



2017 Apple and Android integrate QR Scanning

#### 4. The Pandemic "Renaissance" (2020–Present)

Before 2020, many tech critics thought the QR code was a dying fad. The COVID-19 pandemic changed that overnight.



The COVID-19 pandemic rescued QR codes from near-extinction, turning them into a critical tool for contactless check-ins, menu viewing, and vaccine tracking.

This widespread adoption revolutionised public health contact tracing (notably in Singapore and Australia) while accelerating digital payments and mobile ordering, becoming a permanent fixture of consumer experience.

The need for “touch-less interaction” turned the QR code into a vital public health tool for:

- \* Contactless restaurant menus.
- \* Check-in systems for contact tracing.
- \* Digital vaccination certificates.
- \* Mobile payments (becoming the primary way to pay in regions like China and India).

#### 5. Quick Facts Comparison

Feature	Standard Barcode	QR Code
Data Capacity	~20 characters	Up to 7,089 characters
Orientation	One-way scan	360-degree scan
Durability	Any damage breaks the link	Up to 30% damage recovery
Primary Use	Retail checkout	Linking to digital content/data

#### 6. Generating a QR Code:

Generating a QR (Quick Response) code is a straightforward process that converts alphanumeric data into a two-dimensional barcode.

##### How it Works

A QR code generator uses an algorithm to translate your input (like a URL or text) into a grid of black and white squares called modules. These modules represent binary code. The three large squares in the corners allow scanners to orient the code correctly, even if it is scanned upside down or at an angle.

##### Step-by-Step Generation

**Select a QR Code Generator:** Choose a reputable online tool or software. Common options include specialised websites, browser extensions, or built-in features in apps like Canva or Google Chrome.

**Choose the Content Type:** Specify what you want the code to do. Most generators offer options for URL, vCard, Wi-Fi, or Plain Text.

**Enter the Data:** Paste the link or type the information into the generator's input field.

**Static vs. Dynamic:** Static: The data is hardcoded; you cannot change the destination once it is printed. Dynamic: The QR code points to a redirect link, allowing you to change the destination URL later and track scan statistics.

**Customise (Optional):** Many tools allow you to change the colours, add a logo in the centre, or adjust the "Error Correction Level" (which determines how much of the code can be damaged while remaining readable).

**Test and Download:** Always scan the generated code with your own phone before finalising. Once verified, download the file in a high-resolution format (like PNG for web or SVG for print).

The below **Busnet QR Codes** were generated using Canva.



QR Code to website busnet.org.au



QR Code to Busnet Facebook

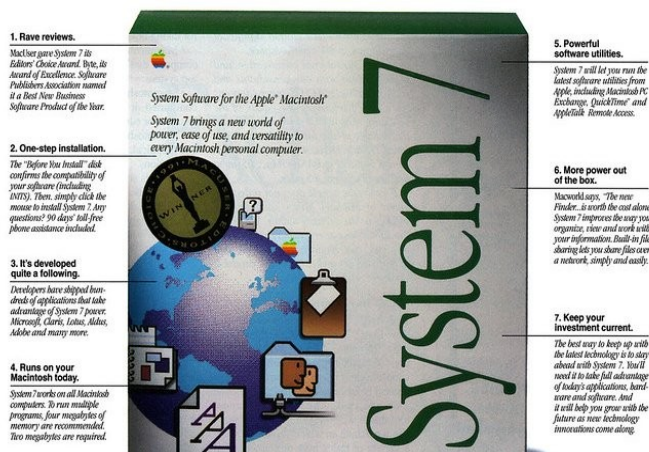
# 25 Years of Mac OS

The history of Apple's operating system is a tale of two distinct architectures, evolving from a niche graphical pioneer into a powerhouse of modern computing.

Although Mac Operating systems have been around longer the Mac OS was originally released 25 years ago in 2001.

## 1. The Classic Era (1984–2001)

Launched with the original Macintosh in 1984, the "System Software" (later renamed **Mac OS**) was revolutionary. It popularised the **Graphical User Interface (GUI)**, using a desktop metaphor, windows, and a mouse at a time when most computers relied on text commands.



May 13 1991, Apple released Macintosh System 7.

- \* **System 7 (1991):** (codenamed "Big Bang") released by Apple for the Macintosh on May 13, 1991, It was a major, transformative update to the classic Mac OS, introducing a redesigned user interface, colour support and improved multitasking, file sharing, and virtual memory, and it remained in use, through various updates, until 1997.

- \* **The Struggle:** By the mid-90s, the "Classic" OS was becoming unstable and lacked modern features like protected memory. This led Apple to buy **NeXT**, bringing Steve Jobs back to the company.

## 2. The OS X Revolution (2001–2016)

In 2001, Apple released **Mac OS X** (the "X" standing for the Roman numeral 10). This was a total reboot based on **Unix**.

- \* **Foundation:** The first desktop version, Mac OS X 10.0 (codenamed "Cheetah"), was released by Apple on March 24, 2001. It marked a major shift to a Unix-based

foundation, succeeding the classic Mac system. It offered rock-solid stability and the "Aqua" interface, characterised by its translucent buttons and the now-iconic **Dock**.



March 24, 2001 released Mac OS X 10.0 (Cheetah)

- \* **Transitions:** During this era, Apple successfully transitioned the software from PowerPC processors to **Intel** chips (2006).

## 3. The Modern Era: macOS (2016–Present)

In September 2016 macOS Sierra was the first version to be referred to as macOS rather than Mac OS X, better aligning it with iOS, watchOS and tvOS. It brought Siri to the Mac and improved integration with iPhone and iPad with features like Universal Clipboard.

- \* **Apple Silicon:** In 2020, macOS underwent its most significant recent change: optimising the software for Apple's own **M-series** chips.
- \* **Convergence:** Recent versions (like Big Sur, Monterey, Sonoma, and Tahoe) have brought the Mac and iPad closer together, sharing design languages and the ability to run mobile apps natively.



September 2025 Latest release Mac OS (Tahoe)

**Fun Fact:** For fifteen years, Mac OS X versions were named after big cats (Cheetah, Tiger, Snow Leopard) before switching to California landmarks (Mavericks, Mojave, Sonoma, Tahoe).

For the full history of the Mac OS evolution you can refer to the following link:

<https://www.macworld.com/article/672681/list-of-all-macos-versions-including-the-latest-macos.html>

# Club News

## Social Gathering



Our latest social morning tea was held at the Urban Coffee House on Friday 8th May.

If you have never visited the Urban Coffee House it is well worth the visit, if you have then you probably already know that the choices are excellent.

Once again it was great to catch up with fellow club members for a chat over a cuppa about other things other than technology challenges.

## Membership Renewals

Renewal of your Busnet Computer Club Inc membership for 2026/2027 will be due on the 01 July 2026.

Membership Fees for 2026/2027 have not increased, remaining at \$40 for the year.

Membership renewal payments can made by Cash, cheque and EFTPOS in person at the club during opening hours:

Monday, Wednesday and Friday, at Busnet Computer Club. 1:00 pm to 3:30 pm

Or via Direct Bank deposit.

For direct deposit information please refer to the email sent out by the Treasurer (Peter Ralph) on 10<sup>th</sup> May or contact Peter directly via email at [treasurer.busnet@gmail.com](mailto:treasurer.busnet@gmail.com).

Thank you to all members for your support in 2025/2026 and continued support into the future.



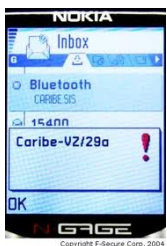
# Busnet Volunteer Roster

BUSNET COMPUTER CLUB INC			
	2026	ROSTER	June 2026

DATE	DAY	Reception & Technician	DATE	DAY	Reception & Technician	DATE	DAY	Reception & Technician
01/06/2026	Monday		03/06/2026	Wednesday	Heather Maclean	05/06/2026	Friday	Trevor Gray
	Public Holiday	Foundation Day			Bill Whipp			Bill Whipp
					Tony Hill			Tony Hill
08/06/2026	Monday	Maureen King	10/06/2026	Wednesday	Pam Shanks	12/06/2026	Friday	Jane Buckley
		Peter Quinby			Bill Whipp			Bill Whipp
		Jake Challis			Tony Hill			Tony Hill
15/06/2026	Monday	Kerry McLements	17/06/2026	Wednesday	Peter Ralph	19/06/2026	Friday	Ursula Hillman
		Peter Quinby			Bill Whipp			Bill Whipp
		Jake Challis			Tony Hill			Tony Hill
22/06/2026	Monday	Alex Ashton	24/06/2026	Wednesday	Michelle Chaplin	26/06/2026	Friday	Patricia Lee
		Peter Quinby			Bill Whipp			Bill Whipp
		Jake Challis			Tony Hill			Tony Hill
29/06/2026	Monday	Peter Ralph	01/07/2026	Wednesday	Heather Maclean	03/07/2026	Friday	Trevor Gray
		Peter Quinby			Bill Whipp			Bill Whipp
		Jake Challis			Tony Hill			Tony Hill
<p style="color: red;">Any changes to the Roster contact Peter on 0429 185 066 OR email <a href="mailto:treasurer.busnet@gmail.com">treasurer.busnet@gmail.com</a></p> <p style="color: red;">Busnet Opening Times : Monday, Wednesday &amp; Friday 1:00 PM to 3:30 PM Closed Public Holidays</p>								

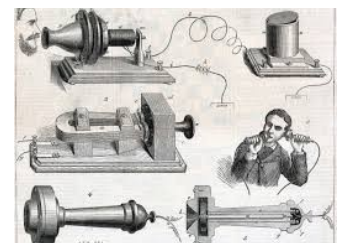
## June Trivia

**10 June 1977:** The Apple II was first sold, it was the first successful mass-market personal computer, widely used in homes, businesses, and schools. Pricing started at roughly USD \$1,298 for 4K of RAM and up to USD \$2,638 for 48K of RAM. It boasted 8 internal expansion slots, colour graphics, and an integrated keyboard, making it more user-friendly than competitor, Commodore PET 2001 and TRS-80 Model I.



**16 June 2004:** The first mobile phone virus, known as Cabir, was discovered by The Kaspersky Lab. It was a worm designed by the hacker group 29A to target Symbian operating systems (mostly Nokia phones) via Bluetooth connection, displaying the word "Caribe" on the screen while scanning for other vulnerable devices..

**02 June 1875:** Alexander Graham Bell achieved an earlier breakthrough by transmitting distinct sounds (rather than speech) using a working transmitter, which established the principle for the telephone. Bell's work was largely inspired by his family's background in speech therapy and his efforts to help the deaf, along with his research into acoustics and electricity.



**02 June 1953:** Queen Elizabeth II was crowned at Westminster Abbey on June 2, 1953, at age 27, in a ceremony presided over by the Archbishop of Canterbury. It was the first British coronation to be fully televised, with millions worldwide watching the event.

# Coffee Break

## SUDOKU

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

Fill the blank squares with the numbers 1 to 9 so that each row, each column and each smaller 3 x 3 block contains all the numbers from 1 to 9.

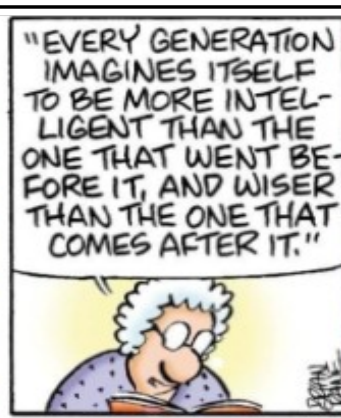
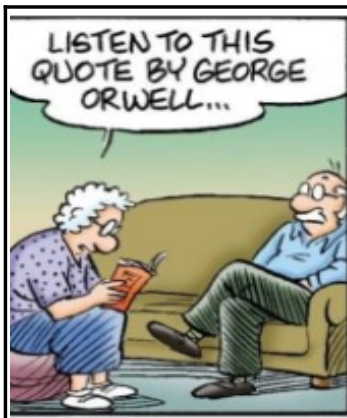
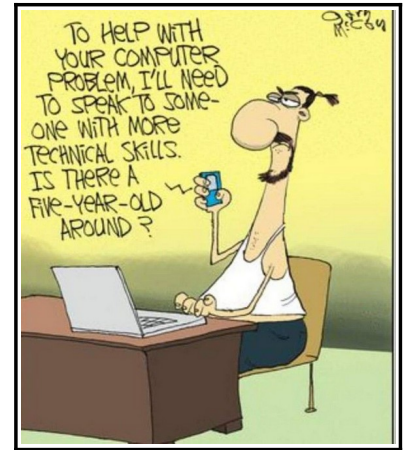
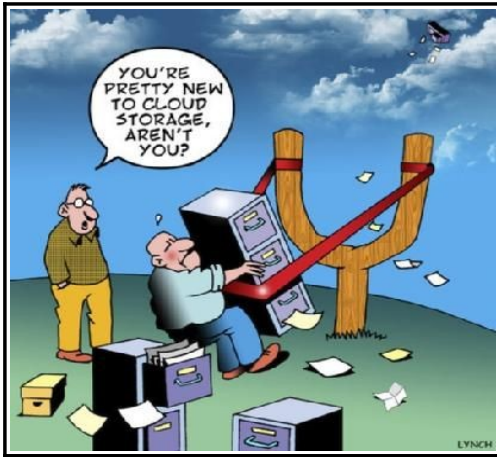
# WORD MAKER

How many words of four letters or more can you make from the letters below, with each work containing the letter in the centre? Don't include proper names or plurals.



### May 2026 Answer:

eery, eyre, here, hype, peer, pert, prey, pyre, rete, teth, text, thee, they, tree, tret, Trey, type, tyre, ether, exert, hexer, hyper, peter, petty, prexy, teeth, there, three, expert, petter, pretty, retype, tether, pretext, HYPertext



# BROWSER NO 231

## JUNE 2026



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