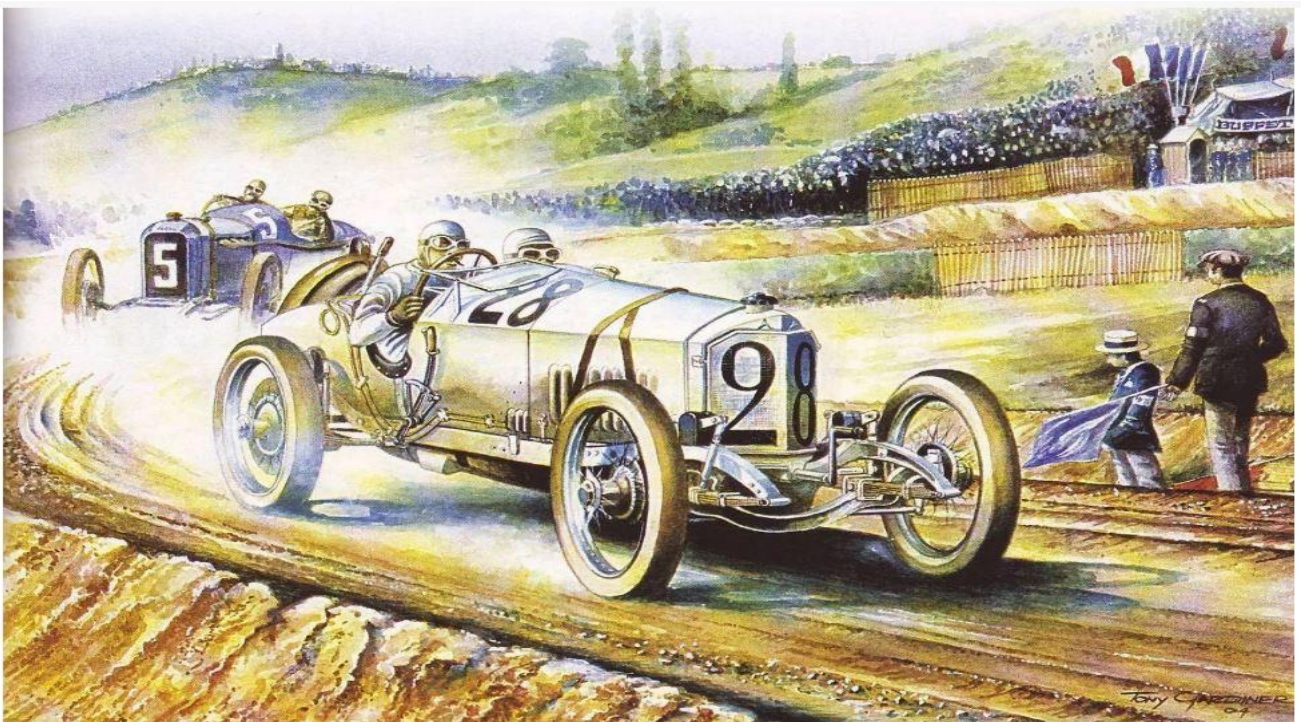


# VINTAGE NEWS

THE MONTHLY NEWSLETTER of  
THE QUEENSLAND VINTAGE VEHICLE ASSOCIATION Inc

March 2025



Web: [www.qvva.org](http://www.qvva.org)

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## COMMITTEE FOR 2024 – 2025

President	Graham Porter	0407 257 440
Vice President	Rod Rush	0409 1411 40
Secretary	Ben Carroll	0417 007 241
Minute Secretary	Barbara Haydon	0412 667 348
Treasurer	Wendy Tyquin	0420222 690
Newsletter Editor	Rod Rush	0409 1411 40
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Public Relations	Ruth Knight	0428 437 580
Web Master	Ben Carroll	0417 007 241
Safety officer .1	Don Lake	0412 383 954
Safety officer .2	Col Hinxman	0439 996 691
QHMC Deligate	TBA	
Membership Officer	Rolf Rose	0428 202164

QVVA welcomes visitors who have an interest in the preservation and restoration of all types of vehicles to an original condition as far as practicable.

### Meetings:

General meetings are held at 7:30pm on the fourth Wednesday of each month at the Veteran Car Clubrooms, 1376 Old Cleveland Road, Carindale 4512 Ph: 07 3843 0010

### Subscriptions:

The annual subscription is currently \$60 and renewable on 1st July with a 50% pro-rata for applications after 1<sup>st</sup> January.

A \$40 joining fee applies for new members.

Membership will be considered to have lapsed after three months of non-payment.

A person with three months arrears who wishes to join again will be treated as a new applicant.

EFT payment can be made to our bank: BSB: 124 – 078 a/c 90528779 Use your surname as a reference.

### Concessional Registration:

To qualify for the Special Interest Vehicle Scheme concessional registration you should be familiar with the Queensland Transport “Criteria for Eligibility” guide and observe the restrictions.

### Newsletter Distribution:

The newsletter is sent members by email only but is also posted on our website [www.qvva.org.au](http://www.qvva.org.au) for casual viewing.

Name Badges: Failure to wear a name badge at club events incurs a \$2 fine.

*Disclaimer: The Queensland Vintage vehicle Association does not hold itself responsible for statements made or opinions expressed by contributors to the Vintage News.*



## **PRESIDENTS REPORT MARCH 2025**

**I hope all of our members received no or little from TC Alfred. Susan and I lost power for 5 days and that meant no hot water, no Internet, no Wi Fi, no fridges, and no freezers, What do you do. Well, we listened to the WIRELESS and found that around 400,000 other premises were in the same situation.**

**Energex were trying to restore power, however there was a “Rain Event” coming. Saturday morning, we awoke with the rain gauge overflowing with 330mm captured and still bucketing down. Our neighbour’s trees down and still no sign of power. During Sunday we were advised that power would be restored by 9.00pm Friday 15th .**

**On Monday, my neighbour starting looking on Market Place for a generator, for me, and fortunately he found one at Nundah. It was a 3KVA and looked pretty good but was not able to start. As the goods in freezer were beginning to thaw I took it and when arriving back home put fuel into it and it started immediately to my surprise. It saved my frozen food and made life more comfortable till the power was restored on the twelfth. By the way I paid \$300 for the generator and it had only done 3.5 hours, a BARGAIN.**

**On to some club business. Those at the last meeting were told of committee meetings now being held over the network using Zoom. There were problems which were fixed with sound being transmitted by phone, however the system and the meeting were a success. It will save us oldies having to drive at night.**

**Clint is looking for someone to take over the event’s coordinator position as he and Judy are going on a lot of trips and he cannot do the job as he would like. If you are able to help please contact me. He has most of it done for the year. Remember the job is for coordinator not rally organizer.**

**Due to TC Alfred the run to Bill Buds on March 16th has been cancelled, to a date to be confirmed. The Coast received a lot of damage and properties have been soaked and will need time to dry out.**

**I need help with supper for the March Meeting If you can help please contact me.**

**For Gasoline cars  
Graham Porter  
President**

## 15 CAR INNOVATIONS YOU DIDNT REALIZE CHRYSLER INVENTED

The first Chrysler debuted in 1924 as a model built by Maxwell Motor Co and named by Walter Chrysler, who had just bought a controlling interest.

With proven experience and a knack for the business he turned his Maxwell investment into a giant pillar of American industry. Chrysler sought competitive advantages wherever he could find them, leading to dozens of industry firsts through the years, many remember the introduction of the 1984 Dodge Caravan and the Plymouth Voyager beginning the minivan era.

Other contributions lay in the shadows of history but have an impact on cars of today and it may surprise you that these 15 innovations originate from Chrysler.

### FOUR WHEEL HYDRAULIC BRAKES

The first cars fitted with four wheel hydraulic brakes were the Duesenberg and the Rickenbacker in their 1922 racing cars, Chrysler was the first production car fitted with four wheel Lockheed hydraulic brakes in 1924.

### POWER STEERING.

Not having known a time a time without power steering most modern drivers are likely to take it for granted. And in antique cars, you may have noticed how large the steering wheels are. Larger wheels provide greater leverage needed for turning cars without power assist.

While the concept existed much earlier, the development of power steering in WW11 did power steering get widely adopted on armoured cars and trucks for the military. After the war Chrysler took advantage of an expired patent to create the Hydraguide power assisted steering. The first car to receive this was the 1951 Chrysler Imperial, this system trickled down to other classes of car and is now standard on everything.

### CRUISE CONTROL

Although it may come as a surprise that Chrysler first introduced cruise control, what is more astounding is that it was invented by a blind man, an engineering graduate from the University of Pennsylvania, Ralph Teetor who already established himself as an accomplished engineer, sought to create something to ease the ride. Beginning in 1936 Teetor formulated ideas and tested them in his basement workshop and patented a device in 1945 called the Speedostat.

Although Chrysler did not invent the device it was Chrysler who recognised the potential and offered Speedostat equipped cars in 1958, the improved option called the Auto-Pilot in 1965 spread to other cars as cruise control, it was further enhanced to arrive full circle as Tesla's Autopilot.

### BIG DATA ANALYSIS

Working his way up from being a mechanic, Chrysler moved into management in multiple factories. He joined Buick in 1912 and saw several areas which needed improvement and implemented changes that led to an increase of production from 20,000 to 124,000 cars in four years. He learned that having current data was crucial to monitor production and used this to streamline Buick's line, this influenced the direction of other manufacturers to the point that data analysis underpins the entire industry today.

## ANTI-LOCK BRAKING SYSTEM (ABS)

The first patent of an anti-lock system for brakes was filed in 1928 by Karl Wessel, but he could not build a functioning product, in the 60s the British car maker Jensen installed ABS on its model FF the first car to offer all wheel drive, but the system was entirely mechanical and only 320 were built.

In 1971 the Chrysler Imperial offered an electronic ABS called the Four Wheel Sure-Brake as a \$350 option, according to a 1972 Popular Electronics its logic controller was solid state making it a genuine transistor based component and part of the digital age, buyers balked at the price and were uninformed on its true benefits to safety and it was many years before widespread adoption of ABS became standard.

## ELECTRONIC FUEL INJECTION

When carmakers were able to remove carburetors and install fuel injectors, they resolved multiple issues every car owner dealt with at some time.

Mechanical fuel injection can be found in diesel engines of the 1930s automotive fuel injection came after the end of WW11 they relied on vacuum and crankshaft rotation to meter out the required amount of fuel.

Chrysler offered an electronic system developed by Bendix called the Electrojector. This \$400 option looks the same as the modern systems, however the microprocessor was not yet invented and the system offered by Chrysler consisted of a few transistors and some analog components, it was a mess, the analog computer was its downfall and failures were widespread. Chrysler sold 54 units and most were swapped to carburetors the company did not revisit fuel injection for another 20 years.

## DISC BRAKES

Before Chrysler Corp existed, Maxwell-Chalmers built the first Chrysler car and Walter P made sure to pack it full of innovation. While other cars had mechanical brakes Chrysler introduced the first mass marked produced cars with four wheel hydraulic brakes using a system created by Lockheed for its aeroplanes. Notably Duesenberg and Rickenbacker used hydraulics first but only a handful of racing cars were produced.

Chrysler introduced the disc brake in 1949, they were standard on the Town and Country and the Crown Imperial, these brakes bear little resemblance to the modern disc brake but function the same, few buyers chose this option and Chrysler dropped the option five years later, introducing the calliper-style disc brakes again in 1966.

## OIL FILTERS

Early engines came with no oil filtering whatsoever. The primary way to keep the oil clean was to replace it every 500 + miles. Engines developed with more advanced lubrication systems requiring some sort of filtration to prevent oil clogging oil passages and pumps, various reusable types involving wire mesh, steel wool and cotton waste were first attempted to no avail.

In 1923 Ernst Sweetland and George Greenhalgh developed the first modern oil filter delivering "pure oil later" or the Purolater, recognising its potential Walter Chrysler entered the picture making it the first passenger vehicle with a replaceable oil filter, the trend was quickly adopted by the rest of the industry.

## THE TALKING CAR

The 1980s were a great time for technology, microprocessors spread into multiple industries including automotive. And while the processors had a practical use for controlling power, engineers managed to find more trivial purposes, hence the era of gadgets.

Nearly everyone alive back then can tell you about the quirky, annoying talking cars. This feature debuted in Nissan vehicles in 1981 while Chrysler lagged behind with its first model in 1983 however there was a big difference between the two. The Nissan system packed tiny records into a box that could be triggered from various inputs from the car. Chrysler's unit actually spoke with a digital synthesizer and no recordings.

The Chrysler Electronic Voice Alert (EVA) used circuitry to create voices on demand and included 11 common messages from open door to low oil pressure. Developed in conjunction with Texas Instruments and their Speak and Spell toy Chrysler turned out to be the leader in this technology.

## WIND TUNNEL TESTING

Carl Breer headed engineering at Chrysler and created many of the innovations that set the company apart from the others, Breer came up with the concept of testing new designs before production to do this he built the world's first wind tunnel for testing cars only to discover how inefficient air flow around a car was.

After a lot of work Breer created the 1934 Chrysler Airflow it was a picture of efficiency, however the public were not prepared for such a radical design and the car flopped. Regardless wind tunnel testing became a crucial part of car design.

## CUP HOLDERS

Chrysler built the first vehicle to offer permanent cup holders as standard features across the entire range with the ground breaking Caravan of 1984.

## RUBBER ENGINE MOUNTS

In the infancy of the automotive industry, engines were installed into cars resting on metal mounts, these transferred every bit of vibration to the chassis and the occupants of the car. The biggest change was in 1932 where the use of solid rubber to make the engine mounts that would isolate the vibration from the chassis and occupants. Chrysler developed the "Floating Power" using just two rubber mounting points to position the engine such that it is well balanced allowed to rock slightly and intersect with its centre of gravity, preventing its natural vibration from travelling through the chassis.

## THE DOWNDRAFT CARBURETTOR

The first reliable and practical carburettor was the updraft carburettor. In this configuration air enters the bottom, rushes past a jet and mixes the air and fuel before entering the intake of the engine. These were simple devices that prevented flooding and were placed low on the engine and gravity fed.

In 1929 Chrysler opted to install the Stromberg down draft carburettor on the 1930 models but Breer was concerned about flooding, later Stromberg altered the design by adding a float valve so Breer gave it the green light making Chrysler the first to adopt it.

The downdraft carburettor design allowed for a simplified manufacture of the V8.



### PUSH BUTTON TRANSMISSION

The push button transmission appeared on Valiants from about 1954 to 1965, this was a unique variation that was not adopted by another car manufacturer, the buttons R N D 1 2 were located on the right hand side of the steering wheel.

Chrysler claimed another first here, but they never really took on with other carmakers.



### CHRYSLER TURBINE

The Chrysler turbine engine program that produced the turbine car began in the 1930s and created prototypes that completed long distance trips in the 1950 to 1960s. The engines that powered the car could operate on many fuels, required less maintenance and lasted longer than conventional piston engine cars.

55 Were produced, all but nine were destroyed, Chrysler kept two, six went to museums and one to Jay Leno.

Click on this link to see this magnificent achievement.

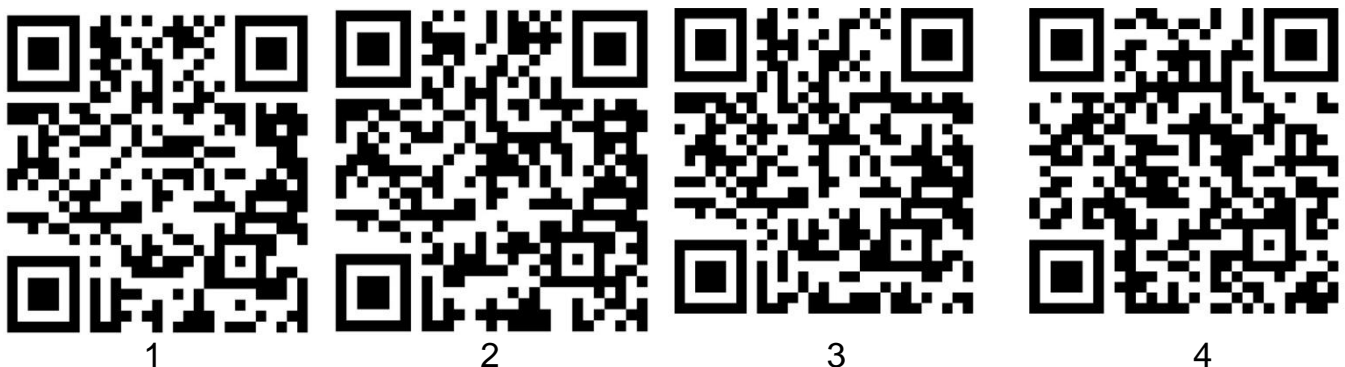
<https://www.youtube.com/watch?v=y9yUv3uObQ4>



1963 Assembly of the Chrysler Turbine Car

As the 60s decade went by, more and more prototypes whirred out of the Chrysler factory and onto the streets where they were captured on film, pictured in every newspaper, mechanics magazine and car book in the country.

General Motors and Ford had turbines too but Chrysler seemed to be out in front, closest to the day when we'd all be whirring around in jet cars devoid of cooling systems, mufflers, pistons, valves, carburettors and the need for petrol. Experiments showed they'd run on anything, kerosene, diesel, gee, vodka and even perfume.



1. General meeting 26<sup>th</sup> February
2. Cabbage Tree Point
3. Dinner at South Side Sports 1
4. Dinner at South Side Sports 2

## MINUTES OF THE QVVA MEETING 26<sup>th</sup> February 202

Meeting opened – 7.45 p.m.

Welcome: to 668 Meeting.

**Attendance:** As per Attendance Book

**Apologies:** Adrian and Margaret, Martin Jansen, John and Alison Day, Gary and Kathy Day, Rosemary Smith, Susie Shipway.

**Visitors:** Barry Shipway

**Minutes of last meeting:** Read by Barbara, Seconded, James. Carried

**Business Arising:** Nil

**Secretary's Report:**

2 new membership enquiries. 1 resulted in a new member. 1 did not.

Admin – A Return of Stakeholders of QVVA sent to Veterans Car Club

Moved: Ben. Seconded, Col Hinxman Carried

**Treasurer's Report:**

Moved Wendy, seconded, Don Lake. Carried

**Events Coordinator's Report:** (taken from 4 Dec list)

4 March – Monthly Dinner – Easts Leagues Club

16 March – Bill Budd's – Elanora – Burleigh Sports Club for lunch

26 March – General Meeting

1 April – Monthly Dinner – Mt Gravatt Hotel

9 April – GOF bi-monthly lunch at Banyo Bowls Club

13 April – 3 way – with Ipswich Club

23 April – General Meeting

6 May – Monthly Dinner – Club Yeronga

18 May – National Motoring Heritage Day – Ormiston school

28 May – General Meeting

3 June – Monthly Dinner – Fielders Club

11 June – GOF Lunch at Brisbane Motor Museum

15 June – RACQ – Motor Fest

22 June – Ladies Day Rally

25 June – General Meeting

1 July – Monthly Dinner – Tingalpa Hotel

19/20 July - President's Run – Christmas in July

28 July – Monthly and AGM

**Editor's Report** Nothing to report, Next month – bumper issue, Still chasing reports from events

**Sausage sizzle** 7 February- good event - \$763 profit, Thank you to helpers. Next 4 April – new volunteers needed – see Don

**Public Relations**

Ruth - No report of anyone unwell

Martin Jansen - in hospital – blood disorder

Nancy – continuing with chemo – doing OK

**General Business**

Milestone for QVVA – first committee meeting by zoom – very successful

Trevor - Suggested that general meetings be streamed – needs investment in technology

Volunteer needed to do up a display for window at the club house for the March meeting – Glen Smith nominated

## Open Forum

Michael Ferguson – Interesting talk about All the Chevrolet Moonlight Speedsters that have disappeared.

**Supper next month** – Don, **Open Forum for March** – Robert Wode nominated. **Raffle for March** – Cyril nominated.

Trevor – won 1st prize \$100 Visa voucher. Barbara – won 2nd prize – Bunnings Voucher \$50.

Meeting closed: 8.25 pm.



People don't have a strong intuitive sense of how much bigger one billion is than one million. One million in seconds is about 11 days One billion in seconds is about 31.5 years.

## Engineering & Science's post



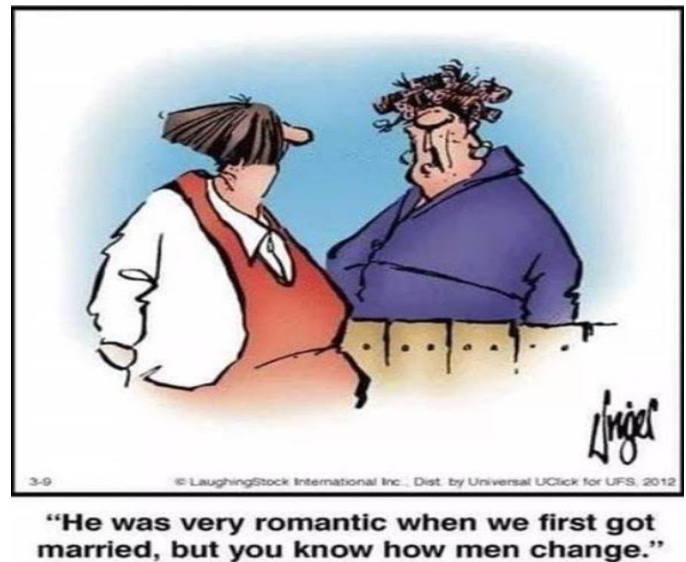
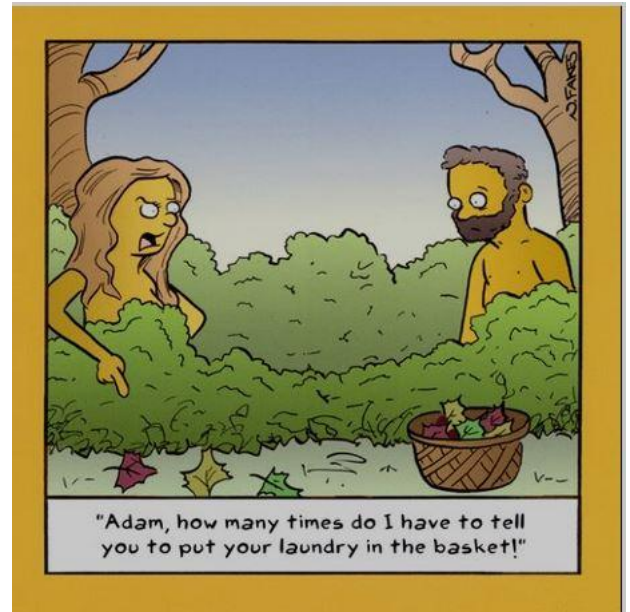
Engineering & Science

15 January · 🌐

JCB's hydrogen combustion engine has received official approval for sale and use across Europe. Eleven European licensing authorities, including those from the Netherlands, Great Britain, Northern Ireland, Germany, France, Spain, Belgium, Poland, Finland, Switzerland, and Liechtenstein, have granted certification for its commercial use.

This engine represents a significant advancement in construction equipment technology, offering a more sustainable alternative to traditional diesel engines. JCB invested approximately \$122 million and dedicated three years to its development, involving a team of 150 engineers.

The approval of this hydrogen engine marks a milestone in the construction industry's efforts to reduce carbon emissions and promote environmental sustainability.



## COMING EVENTS

**March 16<sup>th</sup>** Sunday..Club tour to Bill Budd's place at Elanora on the Gold Coast  
 CANCELLED due to cyclone ALF

**March 26<sup>th</sup>** Wednesday..General Meeting at the club rooms.

**April 1<sup>st</sup>** Tuesday..Club monthly dinner at the Mt Gravatt Hotel.

**April 9<sup>th</sup>** Wednesday..GOF bi monthly lunch at Banyo Bowls Club

**April 13<sup>th</sup>** Sunday.. Three way combined clubs organised by The Ipswich Club. Meet at Cameron Park at 9am for morning tea (supplied by Ipswich Club) before departing on a scenic tour at 10am. Bring your own lunch.

**April 18<sup>th</sup> to 21<sup>st</sup>** Easter.

**April 23<sup>rd</sup>** Wednesday ..General Meeting at the club rooms.

# MARCH National Womens Month

Women have played a big part in the history of the automobile. The industry isn't just a mans world. Here are a few of the women who made great contributions to the automobile.

Bertha Benz - responsible for completing the very first long-distance petroleum-powered privately-owned car journey in 1888 - Bertha herself suggested substantial updates to the patent.

Helene Rother - Detroit's first female car designer working in GM's interior designing staff - joined Nash Automobiles in 1948 - later worked with Goodyear, B.F. Goodrich, U.S. Rubber, Stromberg-Carlson and International Harvester.

Dorothee Pullinger - one of the first female car designers – she was also one of the first car designers that put emphasis on women's needs - in charge of Galloway Motors, Dorothee decided to employ local women instead of men - Galloway 10/20 was born, instantly appealed to women, it had raised seat position, smaller steering wheel, lower dashboard, and handbrake positioned just beside the seat, more trunk space, more reliable engine and a rear view mirror were just a bonus.

Mary Anderson - She patented the manual windshield wiper in 1903.

Charlotte Bridgwood - patented electronically operated automatic wipers in 1917.

Florence Lawrence - Movie Star invented the turn signal and the stop light.

Denise McCluggage - journalist & professional car racing driver.

Mimi Vandermolen - joined the Ford Motor Company's Design Studio in 1970, led the interior design of the mid-eighties Taurus, introduced the rotary dials, ergonomic seats, and optional digital instrument panel - supervised the second generation 1993 Ford Probe

Joan Cuneo - first notable US female race car driver, circa 1909.

June McCarroll - former nurse and physician is responsible for painting the first line separators in the middle of the road, circa 1917.

Margaret Wilcox - the car heater - she harnessed the heat that came from an internal-combustion engine and used it to heat the drivers compartment.

Stephanie Kwolek - Invented Kevlar which is used in tires to reinforce the bead and circumference.

Hedy Lamarr - Movie star & inventor - invented wireless transmission - this laid the framework for future technologies, such as WiFi and GPS.

Helen Blair Bartlett - invented a new type of insulation for spark plugs in 1930.

In 1955 Suzanne Vanderbilt joins General Motors design team, hired on by legendary design chief Harley Earl - credited with creating illuminated interior mirrors and retractable seatbelts.

Lisa Drake became the first woman named Chief Operating Officer for North America at Ford Motor Co. She also serves as vice president overseeing global purchasing. Drake joined Ford in 1994 as a college graduate with a degree in powertrain engineering. She is the second highest-ranking woman in the global auto industry and holds the highest rank a woman has ever achieved at Ford.

## Heard on the Running Board



An invisible man marries an invisible woman. The kids were nothing to look at either.

A woman asks her husband, "Did you marry me because my father died and left me a fortune?"

And her husband says, "Of course not! I would have married you no matter who left you the money."

What do you call a woman who sets fire to all her bills? Bernadette

What do you call a woman who tells dad jokes? A faux pas.

Why do they say 'amen' instead of 'a woman' at the end of songs at church? Cause they're hymns not hers.

What do you call a woman who has 4 sons that are all CEOs?  
An executive producer

A lot of women are turning into good drivers.  
So, if you're a good driver, watch out for turning women!

continued top of next column

## **“When is Enough.... Are We There Yet?” Joe Abbin**

In 1947 Bell labs invented the transistor. These transistors became the building blocks of the computers to follow. By 1960 we had “integrated circuits” that had a few transistors on a single silicon chip. Today we have chips with billions of transistors on half inch chips. Wow! So now our cell phones and automobiles often incorporate powerful computers that exceed the capability of mainline computers of even a few years ago.

So the good news is that low cost, compact computers are available to control and optimize the performance of our autos, cell phones, and many other appliances. These control systems can often diagnose themselves when they have problems and can even fix themselves in some cases.

The bad news is that replacement parts are increasingly not available after these computers fail for good. For the most part these control systems can't be repaired. Some very reliable cars such as the Crown Victoria police cars, taxis, etc. from the 1990's are being retired before they are mechanically worn out because the engine control modules (ECM's) are failing and new ones are no longer available. Even older cell phones, laptop computers, garage door openers, TVs, etc. are suffering the same fate. Complexity has its price. When was “good enough” enough? Quiz later!

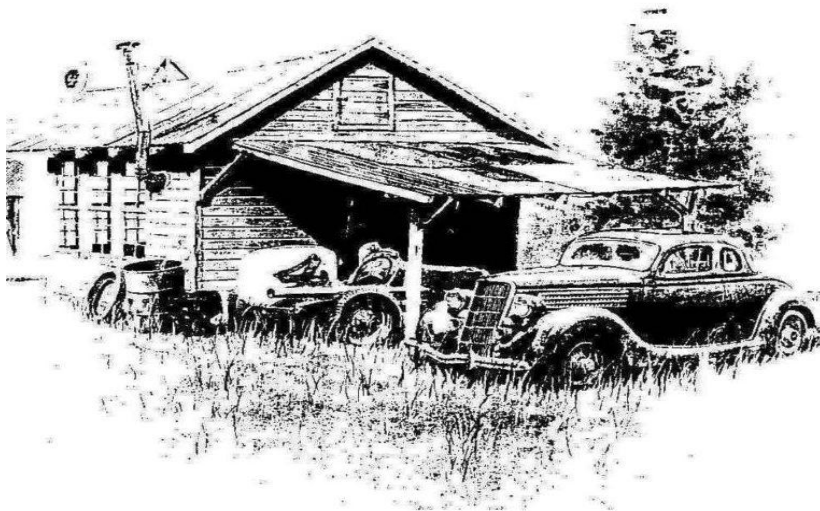
What will be available to the auto restorers in 2125?



Easts leagues Club 1



Easts Leagues Club 2





The Car Parking Machine 1932  
Chicago, United States of America.

A car is driven into a compartment at the base of the machine. There are numerous compartments in the machine, and they are moving constantly in a vertical direction, like a car elevator. The machine takes up the same amount of space on the ground as six cars, and stretches high into the sky, holding a total of 48 cars. Someone comes to pick up their car; the attendant turns a dial and the compartments are rotated to bring the man's car down to the bottom. Another attendant backs the car out of the compartment for the owner.



