



CROSS FLOW

BENDIGO CAR CLUB
(BCC)

2017, Issue 6

July 2017

Presidents Report

Hi club members the last 2 months have been great, we've had good events with lots of help from our members. Our round of the V.K.C was a great event with over 40 entries double the previous 2 rounds. Well run by Peter Valentine and helpers. CAMS Stewards were happy and all competitors were happy. The track was in great condition which lead to a good event overall. Long or short that is the 64 dollar question, some people want long runs but we have to take what the director puts up. If you want long runs we could go to all autocross's permit fee \$450 entry fees go up, but we could stay Khanacross permit fee at \$250 entry fees stay low. Or we can work together to make this work.

A genuine mistake was made at the V.K.C with a fire extinguisher , I have been thinking about a training night on fire extinguisher use for a while. The club member who made the mix up also suggested we have a training night as we now have a lot of new extinguishers that all look the same.

Our next event will be the long course and will be before the club meeting. So get some supp regs and read carefully you may need to hang a toothbrush from the rear view mirror. also entry forms are at the back of sup regs so please fill them in and bring them with you.

I'd also like to let you know that I will not seeking another term as President I think three years is enough and some fresh thoughts and fresh eyes would be a good idea. I will be there till after the August committee meeting to chair it so new committee members can be elected to the position. I will be stepping down from the committee I think sixteen years on the committee in three different blocks is enough it's time for somebody else to step up and put in some work and help guide the club in the right direction, so have a think about it and see what you can do for the club. Also Craig Button is in two minds as to what he will do but most likely will not re-stand for the committee.

Mick Elvey President

Upcoming Events:

2nd July

BCC Long Course
Autocross—Bagshot

6th July

BCC General Meeting
Maiden Gully Clubrooms

15th July

VMC Motorkhana
Huntly—Jnr Round

3rd August

BCC General Meeting
Maiden Gully Clubrooms

6th August

BCC Khanacross /
Motorkhana

Membership fees for the Bendigo Car Club are as follows:

Full Membership Adult \$90.00

Junior Membership \$40.00

Family Membership is One Full Membership plus \$30 for
each extra Family Member

***BCC General
Meetings are
held on the 1st
Thursday of
each month
from 8pm at our
Maiden Gully
Club Rooms***



Behind the Screen

Welcome to another month and here we are about to embark upon what is considered to be the best event at Bagshot for the year, the Long Course Autocross. The track has been graded and the weather is looking good, so it will be a great event as usual, be sure to get an entry in early.

As you will have noticed, this edition of the Crossflow magazine is early, just to let you know that the event is on before the general meeting this month. The Long Course event is on Sunday 2nd July and the club meeting on Thursday 6th. This month's meeting will be held at the National Hotel in the Crown Room. We will be gathering at 7.00pm for tea before the general meeting starting at 8.00pm. Please come along and enjoy the social gathering, have a chat and a bite to eat.

The Committee of the Car Club would like all of its members to consider becoming a member of the committee. This year we have 4 members up for re-nomination, these being Mick Elvey, Peter Valentine, Craig Button and Jim Coombs. As you will have read in Mick's Presidents report, Mick and Peter are not continuing on the committee and are taking a well deserved break, Craig is still to give a final decision but has indicated that he too may step down. All three of these committee members are life members and on behalf of the committee, I would like to thank them all for the work that they have put in to the club. A big thank you also to Jim Coombs for the work he too has put in and for his continuation on the committee.



Bendigo Car Club is in a very good position compared to many other car clubs in Victoria. The club is debt free and owns both the Bagshot Motorsports Complex and the Maiden Gully Clubrooms. It would be a very exciting time to become involved in the committee to do such things as ultimately determine a business plan and long term goals for the club. The workload on any committee needs to be evenly distributed across the members of the committee, so it would be great to get every committee member holding a role, it's not a one man club and the committee is in this position to represent the members so give some thought about becoming involved.

Keep the date of the 22 July free as this is the night of the Trivia Night beginning at 6.30pm, cost is \$15 per head, fun for all the family.

For those who haven't had a chance to make it to any of the working bees at Bagshot recently, there will be a working bee on August 20th at the Maiden Gully Clubrooms. More details in next month's Crossflow.

Just on a final note, our Membership Secretary Glenyce Coombs has advised that membership cards are to be collected at General meetings or arrangements will need to be made to have them mailed or collected at an event. So if you have not received yours as yet, this is why.

See you at Bagshot on Sunday,

Behind the screen

Craig Hardiman



LOW PRESSURE AND SYPHONING AIR

By Robert Andre

Engine bay getting a little hot and need to vent a bit of excess hot air? One way popular with the boy racing fraternity is to space up the rear of the bonnet. This method is perhaps the perfect solution if your car is stationary, and perhaps a potential disaster if the vehicle is travelling at any sort of speed.

Why?

1: Because *generally* a high pressure zone is created at the base of the windscreen as a result of air transitioning over the bonnet to the steeper incline of the screen.

2: In *most* driving situations the pressure is *generally* lower in the engine bay compartment than the base of a windscreen, the result being that high pressure air migrates to low pressure zones, so air would actually enter the engine bay rather than exit it!

So the next side effect is that the engine bay then becomes a region with higher pressure, to the point that the air pressure could even become the same as that of the radiator entry! So with equal pressure – even when travelling at high speed – air will stop flowing through the radiator as the forces are the same! Not cool bro.

And if you thought that alone was bad enough, take a moment to think what might be happening to the cars dynamics due to bad aero influences. High pressure under the front of a car can do all sorts of funny things such as creating front end lift. Lift will reduce braking, drive and cornering traction. For reference, just ask Mark Webber.

Some common examples of the existence of high pressure at the base of most windscreens is the location of cabin air inlet vents and the good ol' reverse cowl induction hood scoop.

Again it is worth noting that there is no point in utilising vents and scoops in a bonnet if the pressure differences contradict each other. For example, if the air pressure in a bonnet scoop is medium and the pressure in the engine bay is higher, air will exit the scoop rather than enter it.

Whilst researching this topic I discovered via the AutoSpeed magazine website that you can purchase a 'Magnehelic' pressure gauge from company Dwyers for as little as \$50 online. You can also build your own 'Manometer' which is the same basic design as a clear hose water spirit level. Apparently the manometer is very accurate at measuring these types of pressure considering how simple it is. These gauges can facilitate the DIY enthusiast to obtain useful data to make informed choices on air flow optimisation without the guess work. This could be a very handy tool for the Sports Sedan builder...

Whilst on the topic of air flow, it's probably worth considering what is happening to airflow from induction trumpets sticking out at right angles to oncoming air. Depending on the location and design, it's possible that a projecting induction trumpet might actually be effected by syphoning, just like how a spray gun works – also well worth checking for any unintended reversion!



Club Member of the Month

Name: Daniel Rossi

Occupation: Project Firefighter in Summer / Salesperson by Winter

Years In Bcc: 13 yearsI think

Favourite Venue Raced At: Any car rally but Bagshot for sure

Vehicles Of Interest You Own: Well, nothing too interesting to be honest, maybe one day though!

Best Motorsport Memory: Watching Geoff Portman win the 2005 Alpine Rally in a V8 Commodore. The noise and sideways action is something I will never forget.

Favourite Racing Driver: At a professional level it would have to be Peter Brock and Geoff Portman. At an amateur level Andrew Daniell as he always puts on a good display in the forest.

Before You Finish Racing You'd Like To: Compete in an Alpine Rally and generally just compete as much as I can.

Best Motorsport Achievement: There aren't too many.....but i guess a 5th outright in a VCRS event a few years ago would be my best achievement.





Feature Vehicle of the Month

Type of Vehicle: Datsun 1600 Rally Car

How Long Have You Had It: Dad brought it in 2004—so 13 years

Any Modifications: 2 litre engine with twin 45mm webers, Albins close ration gear set, MCA upgraded suspension, limited slip differential.

What Events Is It Used For: Car Rally's and Autocross and Khanacross

Best Result: 4th Outright in the Bagshot Rally Sprint

Future Plans: Probably just try to compete in more Rally's and use it more.

If You Didn't Have This You'd Have: Torana XU1 Rallycar or BDA Escort





BCC Club Membership Renewals

Any future club membership renewals will only be able to be done at the monthly General Meetings, renewals will no longer be accepted at pre-event check-in at BCC events.

Membership renewals will only be accepted if a Membership Renewal Form is accompanied by the relevant fees, forms have been emailed out already and they can also be found on the club website and a limited number of forms will be at General Meetings.

Other arrangements can be made with prior approval of the membership secretary.

Membership cards are to be collected from General Meetings



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Full Membership Adult \$90.00

Junior Membership \$40.00

Family Membership is One Full Membership plus \$30 for each extra Family Member



CONFEDERATION OF AUSTRALIAN MOTOR SPORT



BCC Life Members

1991	Max Jackman *	2002	Harrie Larter
	Bill Atkinson *	2005	John Orr
	Frank Panozzo *	2012	Craig Button
	Frank Coad	2013	Michael Elvey
1996	Rosalie Panozzo	2014	Ken Holt
1998	Lois Jackman		Cheryl Holt
	Phillip Gallagher	2015	Peter Valentine
1999	Laurie Johannesen	2016	Roger Hall
2000	Norm Brown		

If you have any old motorsport DVD's for entertainment for after club meetings, we would appreciate your donation



Bendigo Car Club Trivia Night

Saturday 22nd July 2017
Maiden Gully Club Rooms
6.30pm
\$15.00 per person

**Trivia
Night**



PO Box 361
Bendigo Vic 3552

www.bendigocarclub.com.au



BCC Contact List

The Bendigo Car Club is a multi-disciplined motorsport club that gives its members the opportunity to compete in a wide range of activities. Below is a list of members who can be contacted in regard to specific disciplines of motorsport.

Event Type	Contact
Motorkhana	Brian Shanahan
Khanacross / Autocross	Mick Elvey
Rally	Murray MacKenzie / Tony Moore
Off Road	Craig Button / Jim Coombs / Ken Holt
Bitumen Sprints / Circuit	David Dixon / Roger Hall
Officiating	Peter Valentine / Lesley Smart
Vic Roads Club Permit Scheme	Craig Button / Mick Elvey / John Orr



Bendigo Car Club

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FUN FACT

The average car has
30,000 parts



The Bendigo Car Club presents...



BCC Trivia
Night
2017

BENDIGO CAR CLUB

When: Saturday 22th of July 2017

Time: 6:30pm onwards

Place: Maiden Gully BBC Club
rooms

Cost: \$15 per head

Contact: Daniel Rossi 0458430522
Chris Hume 0400118837

General information

8 people per table.

Tea, coffee and soft
drink provided, BYO
refreshments and
nibbles. Prizes for the
winners and a raffle to
be drawn on the night.