



NEXT MEETING

**Monday 7th
July 2014**

Roseville Memorial Club

Pacific Highway

Roseville

8pm

Dress Requirements

Shoes, Socks and Shirt.

No thongs

Website

www.nsscc.com.au

Membership Enquiries

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CLUB MEETINGS

Typically, the 1st Monday of each month unless this falls on a public holiday. In this case the meeting will be held the following Monday. Join us early for a meal from 6.30 or the club meeting starts at 8pm.

TWILIGHT RALLY SPRINT SERIES

GOOD NEWS!!! We have final and absolute approval to run our Summer Rallysprint Series at Sydney Dragway!

This has involved almost three years work, cajoling, presenting, lobbying, talkin and pleading to get approval and finally on Friday after a meeting at SID we were given the nod to runs a 3km tarmac rallysprint course six times over summer.

We have requested and been granted bookings for the following dates.

23 October 23

20 November 20

18 December

22 January

19 February

19 March

Watch This Space For More Info...

Changes To The Email Database

Updates and Wheelspin Issues will be migrating to the online MailChimp database as of the July Club Meeting.

Regardless of your membership status, everyone will need to subscribe to the club MailChimp account to receive any further updates or issues of Wheelspin.

To subscribe to the database please follow the following link:

<http://nsscc.com.au/join-the-north-shore-sporting-car-club/>

YouTube Link:

Here is 2 vid's sent through depicting some interesting driving as opposed to some very organised chaos

[Indian Drivers](#)

[Better Drivers](#)

FROM THE PRESIDENT'S DESK

July is with us, we have organised and run our two biggest events of the year, the Rally of the Bay and the NSW Championship Khanacross round and we have made money on both, albeit with the assistance of some government and council grants for the rally.

Our state khanacross was a lot of fun and attracted 26 entries which was great and from the comments we fielded most seem to have had a great day of motor sport, particularly the juniors with three North Shore club members fighting out the category, Aaron Stallard edging out Kris Muller by less than a second over the four tests.

Congratulations to Bill Brown who took out the Khana overall in one of the amazing and fast Arthur Jackson special khana buggies winning the day ahead of Tim Wilkins in a similar AJ Special with Steve Muller taking third in his VW Golf. Well done guys and we will be presenting trophies at our July Club meeting next Monday at Roseville.

We are looking to run another khana at Colo sometime in late September, watch this space and we will keep you posted

The Rally of the Bay went off superbly back on the June Long Weekend with around 50 entries, a little down on what we had hoped for, but in a tough climate for the sport it was better than many rallies are fielding at the moment.

Congratulations to Gavin Croker for his fine win in his rapid Evo 3 Lancer, Chris Giddins in his Lancer who took second and Mick Harding who was third in his Subaru. North Shore's Brett Middleton was a fine fourth after being third for most of the rally in his old but still very quick Honda Civic. Well done to all the competitors and thanks to all our officials and helpers who made the whole rally possible.

Our next big project is to stage our proposed Summer Twilight Tarmac Rallysprint series at Sydney Dragway across next Summer starting in October and running on various Thursday evenings once a month wrapping up in March. If all the planets align and everything works these will be great events that will help boost club membership and attract a lot of tarmac competitors who we would normally not see with our mainly gravel events.

At last months Club meeting I raised the notion that the old model of having a club meeting in an auditorium or room at a club or a pub on a week night once a month may have reached its use by date. We have fewer and fewer coming to the meetings and we all have a lot more taking up our time in increasingly busy lives and Sydney's grid locked traffic means we get home from work later and later on the nights when car club meetings are traditionally held.

What I am proposing is that maybe the old model is broken and we need to think about perhaps a new concept in club meetings, perhaps in a cars and coffee style format on a Sunday morning from 8 am till 10 am at a venue where we could have a bunch of cars, talk about cars and motor sport without too many time pressures that come with a weeknight meeting. Just a thought and one I believe we need to think about. I'd be glad to field your ideas suggestions and thoughts.

Until next month drive safely and see you at the Roseville Club for our monthly meeting.

MOLLY TAYLOR ON TRACK FOR POLAND

Australian rally driver Molly Taylor is heading back into World Rally Championship competition this weekend at Lotos Rally Poland (June 26-29).

The Polish event is round seven of the 13-round WRC series for 2014, but for Molly, 26, the rally will be her second event of the year. She will be driving a Citroën DS3 R3T.

The world's number one female rally driver has signed with D-Max Racing to compete in six rounds of this year's Junior category of the WRC, after winning the inaugural Ladies Trophy in last year's European Rally Championship. The company, based near Varese in Northern Italy, manages motorsport programs across Europe for customers driving Citroën rally cars.

Molly's first event for the year was Rally Portugal (April 3-6), which she contested with her mother, Coral, a four-time Australian Rally Champion co-driver. However, Coral will not be making the trip to Poland with her daughter.

"Aside from the fact she was competing in the International Rally of Queensland (June 20-22), mum also has some other work commitments this week which made it impossible for her to come to Poland.

"Instead, Seb Marshall, who has been such a support over the last few years, will re-join the team.

"On one hand, it's a shame mum can't be there because it was great to have her with me in Portugal. She did a fantastic job and we had a lot of fun, but I am also looking forward to getting back in the car with Seb. He is an absolute professional to work with and I am sure we will be back to where we left off."



Molly admits the long gap between Portugal and Poland is not ideal but denies she is rusty. During her Australian break, she's been working at a rally school and has done some track driver training days as well.

"We're testing on Monday (June 23) and I can't wait to get back in the car and focus on improving our set-up for this event. It's a very high-speed rally so making sure the car feels good and inspires confidence to push is really important. Then it's just a matter of getting into the event and seeing how we go."

The Polish event is based in Mikolajki, three hours north of Warsaw, in the Masurian Lake District, but includes stages in both Poland and Lithuania. It's a gravel event which includes a night stage, and four passes over a super special stage (two under flood lights) at Mikolajki Arena.

The event will be quite a challenge for all drivers as Poland has not been a round of the WRC since 2009. All the stages in Lithuania and two in Poland are new, and the roads are very fast.

After Poland, Molly's 2014 program includes Neste Oil Rally Finland (July 31-August 3), ADAC Rallye Deutschland (August 22-24), Rallye de France-Alsace (October 3-5) and Wales Rally GB (November 14-16). She currently has no plans to compete in the local round of the WRC, Rally Australia, in September, due to budget constraints.

DOWEL HOPING TO BRING DYTKO HYUNDAI TO AUSTRALIA

Justin Dowel is hoping a new breed of rally car will be coming to Australia in 2015, with Activ RallySport (in partnership with Ralliart NZ and Dytko Poland), using a Hyundai i20 Proto.

Dytko, a Polish company, manufactures their own Hyundai i20 (pictured), Volkswagen Polo and Peugeot 208 proto rally cars with a WRC-style body kit and Mitsubishi Lancer Evo X running gear.

The cars are assembled and prepared in New Zealand by Chris Little and Ralliart New Zealand.

2011 Australian Rally Champion, and Activ RallySport boss, Justin Dowel, said that the cars would add a new dimension to Australian rallying.

“The Dytko Proto cars that we’ll be bringing to Australia will be using 6-speed sequential PPG gearboxes and Exe_TC suspension, and will be very fast and incredibly exciting to watch,” Dowel said.

“We expect the cars to be very competitive, and hope these cars will bring a whole new dimension and future to rallying in Australia.”

Dowel hopes to be driving one of the Dytko Hyundais himself in 2015, whether it be in Australia (if new technical regulations are passed) or in New Zealand, where these are cars already competing .

Australia continues to lag behind the majority of the rally world with the current 4WD competition regulations, and Dowel believes it’s time it moved forward if it wants to have a relevant and exciting future for 4WD rally cars in Australia.

Expressions of interest in running Dytko cars in Australia should be directed to Activ Rallysport via their Facebook page, or by calling Justin Dowel on 0407 380 049.



CLUB MERCHANDISE

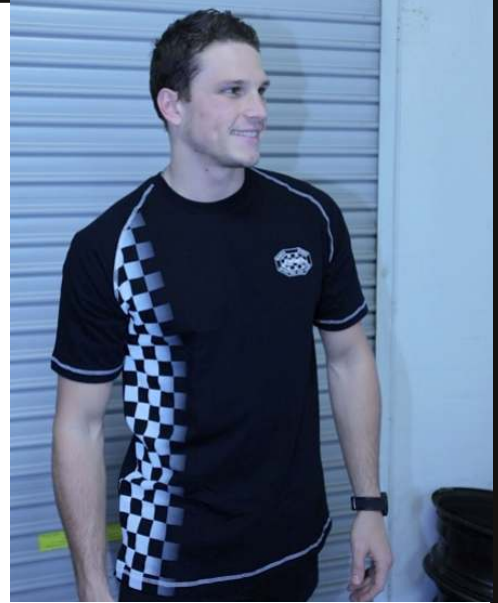


The club has superb range of NSSCC T Shirts available for sale at just \$25.

These 100 per cent cotton T shirts are finished in a fashionable and figure flattering black with white piping and the NSSCC logo and can be had in sizes from Small to XXL.

As you can see from our model, these great T shirts are a must have so order now and we will mail your order to you or you can pick up at the next club event.

We are exploring the potential for some polo shirts so stay tuned.



Also we have our superb limited edition 60th Anniversary commemorative wine. It is a Primo Estate Shiraz Malbec bottled and labelled for NSSCC.

This is a fine red and well worth having in your cellar to lay down for a few years or ready to quaff right away.

Just \$19.95 a bottle

Please reserve me NSSCC club T shirts @ \$25 each

T Shirt Size S M L XL XXL

Please reserve me bottles of wine @ \$19.95 per bottle

Name.....

Address.....

Phone.....

Payment Details:

Payment Method: Cheque or Card (Please Circle one)

Total Amount:\$.....

Card Number:..... Expiry

CCV No.....Name on Card..... Card type: Visa Mastercard

PEDDER BLITZES RIVALS IN RALLY OF QUEENSLAND

Scott Pedder has blitzed his East Coast Bullbars Australian Rally Championship rivals, winning the round and in the process also claiming second outright in the Asia-Pacific Rally Championship.

Pedder held a minute lead overnight, having dominated the day winning each and every special stage, and he was determined to ensure that he kept that lead on the race to the finish podium in Imbil.

"I went out on the first two stages this morning and had a really big go," said Scott. "I had a good lead but I wanted to put it right out of Brendan's (Reeves) reach, and we were able to do that."

Showers overnight and again during the day did cause concern for drivers, the notoriously high clay content in the Queensland roads proving particularly slippery on the morning's third stage Kandanga.

"I thought I'd back off a bit but we managed to increase the lead over Brendan, despite the very, very slippery roads. I knew then that it was a case of cruising to the end and locking away the victory," Scott explained.

"We've had good weekends in Canberra and WA this year but been let down at the last minute by problems. So it's a terrific feeling for me, for Dale (Moscatt, co-driver) and for the entire Walkinshaw team to secure this result this weekend," he added.

The result helps Pedder bridge the gap to Championship points leader Reeves, who continued to maintain a consistent pace during Leg Two to finish second in the ECB ARC and third outright in the APRC.

"Friday obviously didn't go to plan (when he collided with a tree on the ARMOR ALL Power Stage) but everything after that has been perfect. The car has performed perfectly, we got it to the finish and we still have the points lead over Scott," stated Brendan.

"Scott drove really well, he was really fast and even when he had a good lead over us he was still pushing, which made no sense to me. We look forward now to the next Round in South Australia," continued Reeves.

Citroen's Tony Sullens rounded out the podium, finishing third but over seven minutes off the outright pace set by Scott Pedder. "We made a few changes to the car overnight and it felt really good to drive today, it gave me a lot more confidence to push."

"With such a big gap in front and behind I really wasn't trying too hard most of the weekend, I really was concentrating on having a clean weekend and getting the car to the finish, and we managed that perfectly," said Sullens.

Fourth place fell the way of Michael Boaden, the VW driver taking it cautiously with his developmental engine, which was newly installed for this Round. "Really pleased with how the engine went, it feels strong and the whole plan for this weekend was just to prove it was reliable."

"We've proven that now, so we switch focus to the proper race engine we're working on and have it ready for South Australia. I can't wait, it should be fantastic!" he beamed.

Adrian Coppin had proven fast and consistent during the opening Rounds this year, however his good luck turned to misfortune this weekend with two punctures yesterday and a major suspension failure today.

"The first two stages were ok, then on the jump towards the end of the second stage we probably landed a bit hard and it damaged the front left suspension strut," explained Adrian.

"Then in the next stage Kandanga we either jumped too hard or hit a compression too hard because it properly let go and we had to drive the 35 kilometre stage on just the spring!"

"We got it fixed though and this afternoon we were right on Tony's (Sullens, team mate) pace which was good and frustrating at the same time," Coppin continued.

A consistent performance by James Wilson in his near standard Ford Fiesta ST netted him sixth outright and the valuable Championship points on offer.

In the Classic category Neal Bates swept past a limping Jack Monkhouse early in the day, and was never challenged winning by almost seven minutes. "A really enjoyable weekend!" smiled Neal.

"Yesterday was a bit of a downer when we lost four minutes, but it also forced us to really fight hard and some of the times we set were fantastic in the old Celica. We really pushed hard all day again today and even managed to get within 0.7 seconds of setting a fastest stage time outright."

Monkhouse, who knew it was only a matter of time before he was overtaken by Bates, saw his lead evaporate when a suspension strut began to work free forcing him to slow considerably before a gearbox issue also hampered his progress.

Despite the problems Monkhouse still managed to hang onto second just ahead of Queensland local Clay Badenoch.

The four starters in the National 4WD series quickly became a two-way fight when Gerald Schofield and Mike Bailey both retired. That left New South Welshman Peter Roberts, who had a leaking intercooler, fighting with Queenslander Jay Davidson, who had a broken gearbox.

In the end Roberts was able to edge out to a 47.9 second lead, despite the 'never say die' attitude of Davidson who was flinging his Subaru Impreza at each and every corner.

At the head of the field Czech Jan Kopecky cruised home to an easy APRC victory, eventually finishing over a minute ahead of Scott Pedder.

The Kumho Tyres 'Spirit of the Rally' went to Michael Boaden to reward his determination and perseverance in debuting his new engine and bringing it home to the finish.

The next Round of the East Coast Bullbars Australian Rally Championship takes crews to Scouts Rally SA, the traditional winter rally offering drivers the fast and flowing roads of the Adelaide hills from August 1st-3rd.



MAXCREST RALLYSPORT

With a State 2WD Championship under their belt, a new car and the Australian leg of the World Rally Championship happening on their favoured Coffs Coast roads, Maxcrest Rallysport are gearing up for a huge September. We'd love to extend the opportunity for the support of the team, so we can take on the world's best.

Packages are flexible and even small contributions are appreciated.



*Biggest motorsport event in NSW in 2013

*Projected total of 20,000+ tourists to visit especially

*Media exposure to local and international television to millions

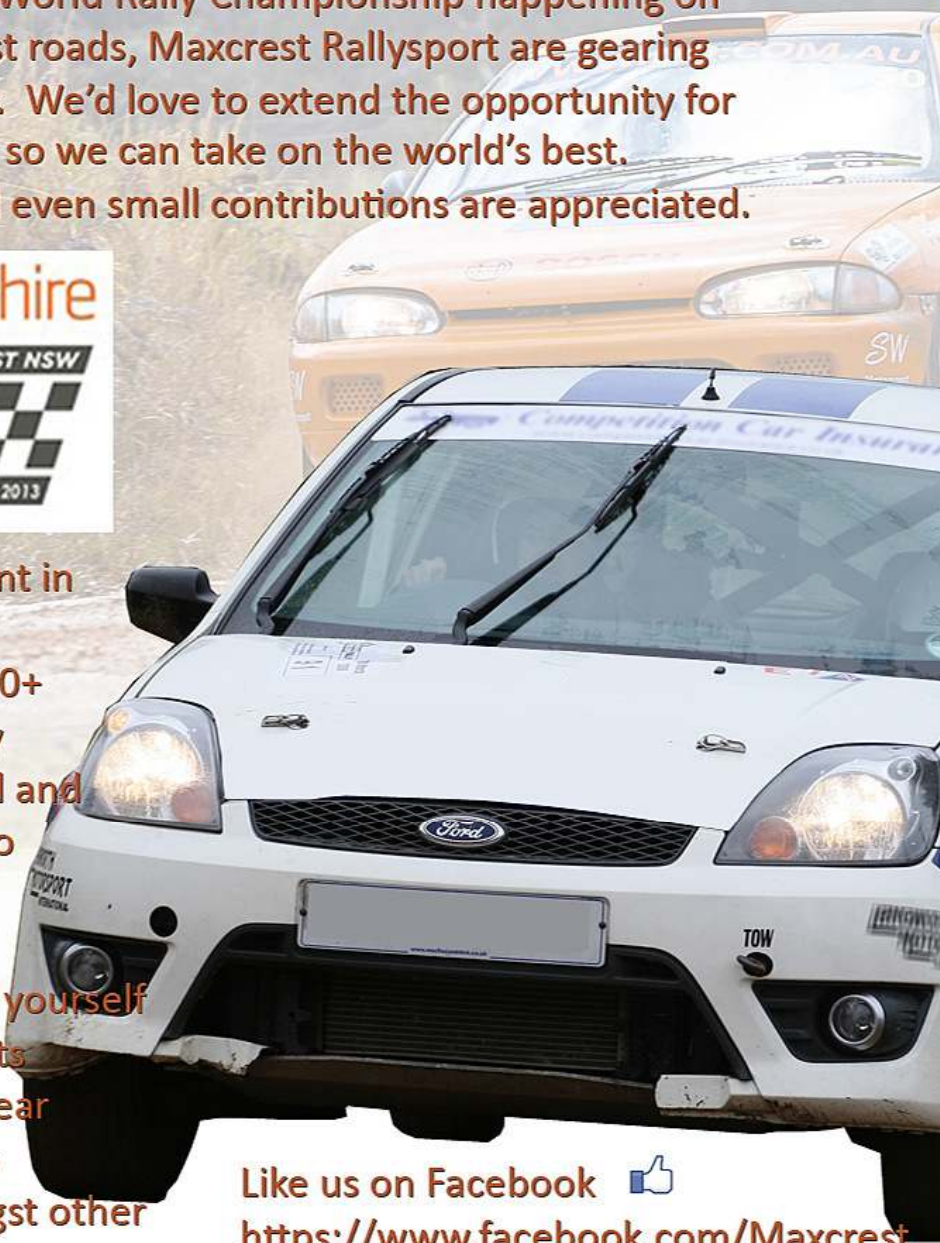
*Team involvement with yourself and your local staff/clients

*Car signage and team gear

*Team video and posters

*Cross promotion amongst other supporters

*Social media promotions



Like us on Facebook 

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Call Darren on 0419 898 666



MOLLY GRABS POSITIVES FROM PROBLEMATIC POLAND RUN.

A combination of mechanical issues and illness robbed Australia's Molly Taylor of the result she wanted in Lotos Rally Poland, but she says there are still plenty of positives from a grueling weekend.

Molly, 26, finished eighth in class after rejoining the Junior World Rally Championship round under special competition regulations (allowed to restart after a forced retirement, but with a time penalty), in the wake of clutch failure on Day Three of the four-day event (June 26-29).

"It was just heartbreaking to have the clutch problems on Saturday because we had such a promising start," says Molly, who not only battled a recalcitrant car for much of the event, but also a nasty stomach virus.

“We were pushing for fourth place when the problem first became apparent, so it's great to know we had the pace in what was a very close competition in our class.

"It's easy to think 'what might have been' but you have to deal with the cards you're given and we did the best we could in pretty testing circumstances. Looking ahead to the next event (Finland), I'm glad we were able to finish here because this weekend has been good preparation.

"The roads here were very fast, and they will be very fast in Finland. We made some definite improvements in Poland and were posting some top five stage times on the last day, so we're looking forward to continuing to improve our pace when we get to Finland. We're gaining with each event, so it was disappointing to have these mechanical issues."

The Polish event was round seven of the 13-round WRC series for 2014, but the second event this year for the world's number one female rally driver who is contesting six rounds of the junior WRC category in a Citroën DS3 R3T.

The remaining rounds of her 2014 program are Neste Oil Rally Finland (July 31-August 3), ADAC Rallye Deutschland (August 22-24), Rallye de France-Alsace (October 3-5) and Wales Rally GB (November 14-16).

For Molly's first round of the year (Rally Portugal, April 3-6), she had her mother – a professional co-driver and four-time winner of the Australian Rally Championship – calling for her, but business commitments prevented Coral Taylor making the trip to Poland. Instead, experienced British co-driver Seb Marshall, who has partnered Molly for the last three years, returned to the passenger seat for the Polish event.

"It was great to have Seb back in the car for the weekend, just like old times. He was a terrific support, as usual, and we picked up exactly where we left off at the end of last year. I'm very grateful for all his help over what was a very challenging weekend." The Polish event was based in Mikolajki, three hours north of Warsaw, in the Masurian Lake District, but included stages in both Poland and Lithuania. Several stages had to be cancelled because of deteriorating conditions, and a large number of competitors failed to finish because the event was so tough.



NSSCC Colo Khanacross - Sunday, 22nd of June 2014 Position Results

Car #	Entrant	Car	Class	Cat	1 AM	2 AM	3 AM	2 PM	TOTAL	OUTRIGHT	CLASS	Junior	Ladies
					Best 2	Best 2	Best 2	Best 2	TIMES	POSITION	POSITION		
10	Bill Brown	AJ Special	F		1.38.85	1.17.67	1.21.65	1.19.19	5.37.36	1	1		
11	Tim Wilkins	Black Special	F		1.38.82	1.23.24	1.21.79	1.24.87	5.48.72	2	2		
15	Stephen Muller	12 VW Golf	C		1.41.43	1.21.82	1.22.59	1.23.30	5.49.14	3	1		
18	Shane McIlvenna	01 Subaru RX	H		1.45.72	1.20.33	1.24.13	1.21.15	5.51.33		1		
17	John Bermingham	80 Datsun Sunny	B		1.43.90	1.20.72	1.29.60	1.24.15	5.58.37		1		
16	Peter Dunn	VR4 Gallant	H		1.35.35	1.18.48	1.17.91	1.49.31	6.01.05		2		
24	James Stroud	91 Toyota Corolla	B		1.46.38	1.26.23	1.25.03	1.23.53	6.01.17		2		
1	Jeff Taylor	99 Mitsubishi Mirage	C		1.49.13	1.25.19	1.24.82	1.29.00	6.08.14		2		
5	John Taylor	99 Mitsubishi Mirage	C		1.47.81	1.30.64	1.23.35	1.26.80	6.08.60		3		
3	Craig Stallard	75 Ford Escort	C		1.45.49	1.28.96	1.29.62	1.25.38	6.09.45				
20	Dave Wright	Mazda 121	B		1.48.40	1.27.49	1.30.19	1.28.15	6.14.23		3		
21	Jake Baranowski	99 Mitsubishi Mirage	B		1.52.12	1.32.87	1.29.11	1.28.44	6.22.54				
6	Sasha Popovic	01 Subaru WRX	H		2.04.91	1.26.57	1.26.97	1.25.60	6.24.05		3		
26	Stewart Wilkins	Black Special	F		2.03.47	1.27.26	1.28.75	1.25.66	6.25.14		3		
22	Allan Gillard	Red Jackson Special	F		1.45.71	1.28.00	1.27.94	1.43.69	6.25.34				
7	Arthur Jackson	92 Special	F		1.44.32	1.22.97	1.20.60	1.57.59	6.25.48				
2	Rob Edwards	70 Datsun Sedan	C		1.54.75	1.33.49	1.29.53	1.31.72	6.29.49				
4	Aaron Stallard	75 Ford Escort	C	J	1.52.75	1.32.06	1.35.35	1.29.75	6.29.91			1	
14	Kristopher Muller	12 VW Golf	C	J	1.46.98	1.22.75	1.29.50	1.51.50	6.30.73			2	
25	Wayne Butcher	91 Toyota Corolla	B		1.54.62	1.47.97	1.28.83	1.28.63	6.40.05				
13	Cooper Elvin	VW Buggy	F	J	1.59.97	1.33.04	1.38.29	1.29.72	6.41.02			3	
19	Rick Feruglio	71 Datsun 1200	B		1.57.28	1.35.15	1.32.88	1.36.68	6.41.99				
12	Karina Maloney	01 Nissan Pulsar	C	L	2.00.07	1.37.88	1.42.87	1.35.60	6.56.42				1
8	Stephanie Holmes	01 Nissan Pulsar	C	L	1.58.47	1.42.37	1.44.87	1.36.12	7.01.83				2
23	Stephen Reynard	Red Jackson Special	F		2.06.10	1.44.05	1.35.84	1.43.34	7.09.33				
9					0.00	0.00	0.00	0.00					

NSSCC Colo Khanacross - Sunday, 22nd of June 2014 Position Results

Position	Car #	Entrant	Car	Class	Winners Positions
1	10	Bill Brown	AJ Special	F	1st Outright, 1st in Class
2	11	Tim Wilkins	Black Special	F	2nd Outright, 2nd in Class
3	15	Stephen Muller	12 VW Golf	C	3rd Outright, 1st in Class
4	18	Shane McIlvenna	01 Subaru RX	H	1st in Class
5	17	John Bermingham	80 Datsun Sunny	B	1st in Class
6	16	Peter Dunn	VR4 Gallant	H	2nd in Class
7	24	James Stroud	91 Toyota Corolla	B	2nd in Class
8	1	Jeff Taylor	99 Mitsubishi Mirage	C	2nd in Class
9	5	John Taylor	99 Mitsubishi Mirage	C	3rd in Class
10	3	Craig Stallard	75 Ford Escort	C	
11	20	Dave Wright	Mazda 121	B	3rd in Class
12	21	Jake Baranowski	99 Mitsubishi Mirage	B	
13	6	Sasha Popovic	01 Subaru WRX	H	3rd in Class
14	26	Stewart Wilkins	Black Special	F	3rd in Class
15	22	Allan Gillard	Red Jackson Special	F	
16	7	Arthur Jackson	92 Special	F	
17	2	Rob Edwards	70 Datsun Sedan	C	
18	4	Aaron Stallard	75 Ford Escort	C	1st Junior
19	14	Kristopher Muller	12 VW Golf	C	2nd Junior
20	25	Wayne Butcher	91 Toyota Corolla	B	
21	13	Cooper Elvin	VW Buggy	F	3rd Junior
22	19	Rick Feruglio	71 Datsun 1200	B	
23	12	Karina Maloney	01 Nissan Pulsar	C	1st Lady
24	8	Stephanie Holmes	01 Nissan Pulsar	C	2nd Lady
25	23	Stephen Reynard	Red Jackson Special	F	
	9	0	0	0	

Class	Number of Competitors
A	0
B	6
C	9
F	7
H	3
Total	25

NSSCC Colo Khanacross - Sunday, 22nd of June 2014

Full Results

= Penalty Added (5 sec)

= Penalty Added (Slowest + 5 sec)

= Penalty Added (Slowest + 10 sec)

AM								PM							
Test 1								Test 1							
Car #	1	2	3	4	5	6	Best 2	Car #	1	2	3	4	5	6	Best 2
1	53.72	55.41					1.49.13	1							
2	57.50	57.25					1.54.75	2							
3	53.06	52.43					1.45.49	3							
4	57.31	55.44					1.52.75	4							
5	54.16	53.65					1.47.81	5							
6	1.10.09	54.82					2.04.91	6							
7	51.97	52.35					1.44.32	7							
8	59.31	59.16					1.58.47	8							
9								9							
10	50.66	48.19					1.38.85	10							
11	49.82	49.00					1.38.82	11							
12	59.44	1.00.63					2.00.07	12							
13	1.02.37	57.60					1.59.97	13							
14	52.82	54.16					1.46.98	14							
15	50.62	50.81					1.41.43	15							
16	47.41	47.94					1.35.35	16							
17	52.34	51.56					1.43.90	17							
18	50.81	54.91					1.45.72	18							
19	58.84	58.44					1.57.28	19							
20	54.28	54.12					1.48.40	20							
21	55.87	56.25					1.52.12	21							
22	52.40	53.31					1.45.71	22							
23	1.04.44	1.01.06					2.06.10	23							
24	54.16	52.22					1.46.38	24							
25	58.59	56.03					1.54.62	25							
26	1.00.87	55.60					2.03.47	26							
Test 2								Test 2							
Car #	1	2	3	4	5	6	Best 2	Car #	1	2	3	4	5	6	Best 2
1	43.40	42.59					1.25.19	1	44.50	44.50					1.29.00
2	46.93	46.56					1.33.49	2	46.22	45.50					1.31.72
3	46.05	42.91					1.28.96	3	42.82	42.56	43.00				1.25.38
4	47.12	44.94					1.32.06	4	45.81	44.97	44.78				1.29.75
5	43.19	47.45					1.30.64	5	43.68	43.12					1.26.80
6	44.22	42.35					1.26.57	6	43.19	42.41					1.25.60
7	41.56	41.41					1.22.97	7	42.81	1.14.78					1.57.59
8	51.19	51.18					1.42.37	8	50.41	48.28	47.84	53.81			1.36.12
9								9							
10	38.76	38.91					1.17.67	10	39.38	39.81					1.19.19
11	41.44	41.80					1.23.24	11	41.65	48.16	43.22				1.24.87
12	49.50	48.38					1.37.88	12	48.91	46.69					1.35.60
13	46.29	46.75					1.33.04	13	45.63	44.60	48.16	47.12	47.40	45.12	1.29.72
14	41.69	41.06					1.22.75	14	46.72	1.04.78	1.09.78				1.51.50
15	41.13	40.69					1.21.82	15	42.15	41.15					1.23.30
16	39.18	39.30					1.18.48	16	39.53	1.09.78					1.49.31
17	41.03	39.69					1.20.72	17	43.06	41.09					1.24.15
18	40.20	40.13					1.20.33	18	41.37	47.16	39.78				1.21.15
19	47.15	48.00					1.35.15	19	49.87	46.81					1.36.68
20	43.59	43.90					1.27.49	20	45.28	44.31	43.84				1.28.15
21	47.21	45.66					1.32.87	21	45.90	45.12	44.38	44.06	44.69		1.28.44
22	44.28	43.72					1.28.00	22	47.50	56.19					1.43.69
23	52.12	51.93					1.44.05	23	51.65	51.69					1.43.34
24	44.07	42.16					1.26.23	24	42.44	51.50	1.01.53	41.09			1.23.53
25	45.19	1.02.78					1.47.97	25	46.50	44.60	44.03				1.28.63
26	43.44	43.82					1.27.26	26	43.47	42.19					1.25.66

NSSCC Colo Khanacross - Sunday, 22nd of June 2014

Full Results

= Penalty Added (5 sec)
= Penalty Added (Slowest + 5 sec)
= Penalty Added (Slowest + 10 sec)

AM								PM							
Test 3								Test 3							
Car #	1	2	3	4	5	6	Best 2	Car #	1	2	3	4	5	6	Best 2
1	43.04	41.78					1.24.82	1							
2	44.97	44.56					1.29.53	2							
3	45.75	43.87					1.29.62	3							
4	47.85	47.50					1.35.35	4							
5	42.32	41.03					1.23.35	5							
6	45.38	41.59					1.26.97	6							
7	40.35	40.25					1.20.60	7							
8	58.68	46.19					1.44.87	8							
9								9							
10	41.37	40.28					1.21.65	10							
11	41.66	40.13					1.21.79	11							
12	53.68	49.19					1.42.87	12							
13	50.13	48.16					1.38.29	13							
14	45.25	44.25					1.29.50	14							
15	42.00	40.59					1.22.59	15							
16	39.47	38.44					1.17.91	16							
17	48.17	41.43					1.29.60	17							
18	42.63	41.50					1.24.13	18							
19	47.13	45.75					1.32.88	19							
20	45.47	44.72					1.30.19	20							
21	44.15	44.96					1.29.11	21							
22	44.69	43.25					1.27.94	22							
23	48.87	46.97					1.35.84	23							
24	43.06	41.97					1.25.03	24							
25	45.92	42.91					1.28.83	25							
26	45.22	43.53					1.28.75	26							
Test 4								Test 4							
Car #	1	2	3	4	5	6	Best 2	Car #	1	2	3	4	5	6	Best 2
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
9								9							
10								10							
11								11							
12								12							
13								13							
14								14							
15								15							
16								16							
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22								22							
23								23							
24								24							
26								26							



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2014 WRC CALENDAR



Rallye Monte Carlo	14.01. - 19.01.2014
Rally Sweden	05.02. - 08.02.2014
Rally Guanajuato Mexico	06.03. - 09.03.2014
Vodafone Rally de Portugal	03.04. - 06.04.2014
Rally Argentina	08.05. - 11.05.2014
Rally d'Italia Sardegna	06.06. - 08.06.2014
Lotos Rally Poland	27.06. - 29.06.2014
Neste Oil Rally Finland	01.08. - 03.08.2014
ADAC Rallye Deutschland	22.08. - 24.08.2014
Coates Hire Rally Australia	12.09. - 14.09.2014
Rallye de France-Alsace	03.10. - 05.10.2014
RallyRACC-Rally de Espana	24.10. - 26.10.2014
Wales Rally GB	14.11. - 16.11.2014

GOOGLE REVEALS SELF-DRIVING CAR

Google has unveiled its first car and, as expected, it's fully autonomous and does not incorporate a steering wheel, pedals or gearshifter.

Instead, Google's first completely self-designed vehicle uses GPS, cameras and sensors that can 'see' up to 220 metres away to navigate its way to a predetermined address.

Unlike the internet search engine's previous vehicles, which were based on the Toyota Prius and Lexus RX, Google's first indigenous concept car is an all-new, all-electric vehicle built from the ground up and featuring just two seats.

"We're now exploring what fully self-driving vehicles would look like by building some prototypes. They'll be designed to operate safely and autonomously without requiring human intervention," said the director for Google's self-driving car project, Chris Urmson.

"They won't have a steering wheel, accelerator pedal or brake pedal... because they don't need them. Our software and sensors do all the work."

Top speed is limited to just 25 miles an hour (40km/h) and passengers are accommodated in a minimalist, bubble-shaped cabin with an integrated roll cage.

"On the inside, we've designed for learning, not luxury, so we're light on creature comforts, but we'll have two seats (with seatbelts), a space for passengers' belongings, buttons to start and stop and a screen that shows the route-and that's about it."

The Google car was unveiled in the US this week by CEO Sergey Brin. Google says an unnamed Detroit-based manufacturer built about 100 prototypes for testing from mid-year, before a US-based pilot program begins in coming years.



"If all goes well, we'd like to run a small pilot program here in California in the next couple of years," he said.

"We're going to learn a lot from this experience, and if the technology develops as we hope, we'll work with partners to bring this technology into the world safely."

Google says its goal is to produce vehicles that "shoulder the entire burden of driving", thereby eliminating drunk and distracted driving, providing transport for elderly or disabled people and, potentially, forming the taxi fleet of the future.

The Google car has many hurdles to jump before it hits showrooms, however.

Current legislation in most countries prevents the use of self-driving vehicles and, in the US, autonomous vehicles are permitted only in California, Nevada and Florida.

But even in those states, the legislation generally expects a human driver to assume control in an emergency. To comply with California automated-driving regulations issued on May 20, Google's first prototype cars will therefore be built with manual controls.

www.motoring.com.au

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