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June 2010 - Newsletter

Hi to all our Sponsors, Supporters, Crew, LSR Enthusiasts and friends, welcome to our June newsletter.

This past month has been extremely chaotic for my family and team with the rebuilding of our home after our huge Perth storm. We have been trying to make some positive headway with the car and overseeing the rebuilding of our home at the same time.

We are still probably 4 weeks away from moving back into our home with re-tiling, painting, new carpets kitchen and laundry. Most of the progress on the building of the car has fallen on our Team Manager Pete Taylor's shoulders; Pete as per usual has grabbed the bull by the horns and with the help of team members Chris de Munck and Alex Mesics, has made some positive progress with our front axle and suspension.

Electric Pictures



Today I got a few of the team together, including Pete Taylor, Alex Mesics and Mark Read and we met at the workshop. We had Greg Colgan of Electric Pictures based in Fremantle coming in to see us and shoot some footage for a pilot film.

Electric Pictures are interested in making a documentary about Aussie Invader. It is early days yet but being a local company and having made many globally shown documentaries, we were interested in meeting with them.

In a moments break from filming Pete and I (left) are discussing the finer points of our new suspension parts and the forth coming assembly.

<http://www.electricpictures.com.au/>





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Talking to Greg Colgan of Electric Pictures about the concept of Aussie Invader 5R



Mark Read talking to Greg of Electric Pictures



Greg filming for the pilot recording

Progress This Month

Our friends at Rowe and Sons are busy shaping our T3 Aluminium sheeting which recently arrived from Sydney, kindly sponsored by **Advanced Electrical Supplies**, thank you to both of





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these innovative companies. I can't wait for you to see the car sheeted and looking pretty flash.



<http://www.dicandilo.com.au>

Once again Di Candilo's Steel City have sponsored all the necessary steel product to fabricate this unique steering and suspension set-up, which is along the lines of Richard Keller's famous Blueflame LSR car. One major difference is the front suspension is totally supported forward of the cars main structure from a 16mm steel faceplate and suspended via Liebherr crane knuckles and pivoted via Caterpillar 40mm rose joints. The suspension we are using is still under development but is groundbreaking technology and is designed by a local Western Australian company.

The plan is to have our completed front end ready to mount to a truck of similar weight and wheelbase to Aussie Invader 5R and put it through a very rigorous testing programme, checking for loadings, stress analysis, tracking ability, steering feel and self-centre ability.

Obviously our turning circle is way larger than a truck or road vehicle, approximately 6 degrees, this again is lots more than Blueflame had but as our Design Engineer John Ackroyd reminds us, we have 4 motors symmetrically mounted, whereas Blueflame had one centrally mounted. If we have a situation where one motor produces more or less power than the others, there is a good chance our vehicle will yaw and we will need all the steering angle we can muster.



<http://www.spoilerfactory.com.au>

This month we have had our good mate and long time sponsor Ferenc from the Spoiler Factory creating a mould for our windshield canopy. The "plug" was produced last month by Pete Taylor & Chris de Munck with help from Alex Mesics. Long time crew member Dan Boseley and son Paul have put up their hands to help out Ferenc with the construction of this canopy. The plan is to layup a fibreglass product and check that the hinging, sealing and visibility are all perfect, before building our kevlar/carbon fibre final product.



A big thanks to all the guys at PPG Industries for supplying the product for us to make our canopy and we look forward to working with you in the future. Your help is much appreciated.

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

Our lifelong friend and PR Manager Chris Osborne has been working closely with Mark Read to handle and negotiate several ongoing marketing, media and sponsorship opportunities that are on the table. This is a tough job to tackle but the experience Chris has in the PR / Media field is huge, with decisions in this area being decided by these two guys. As my crew keep reminding me "you're only the driver".

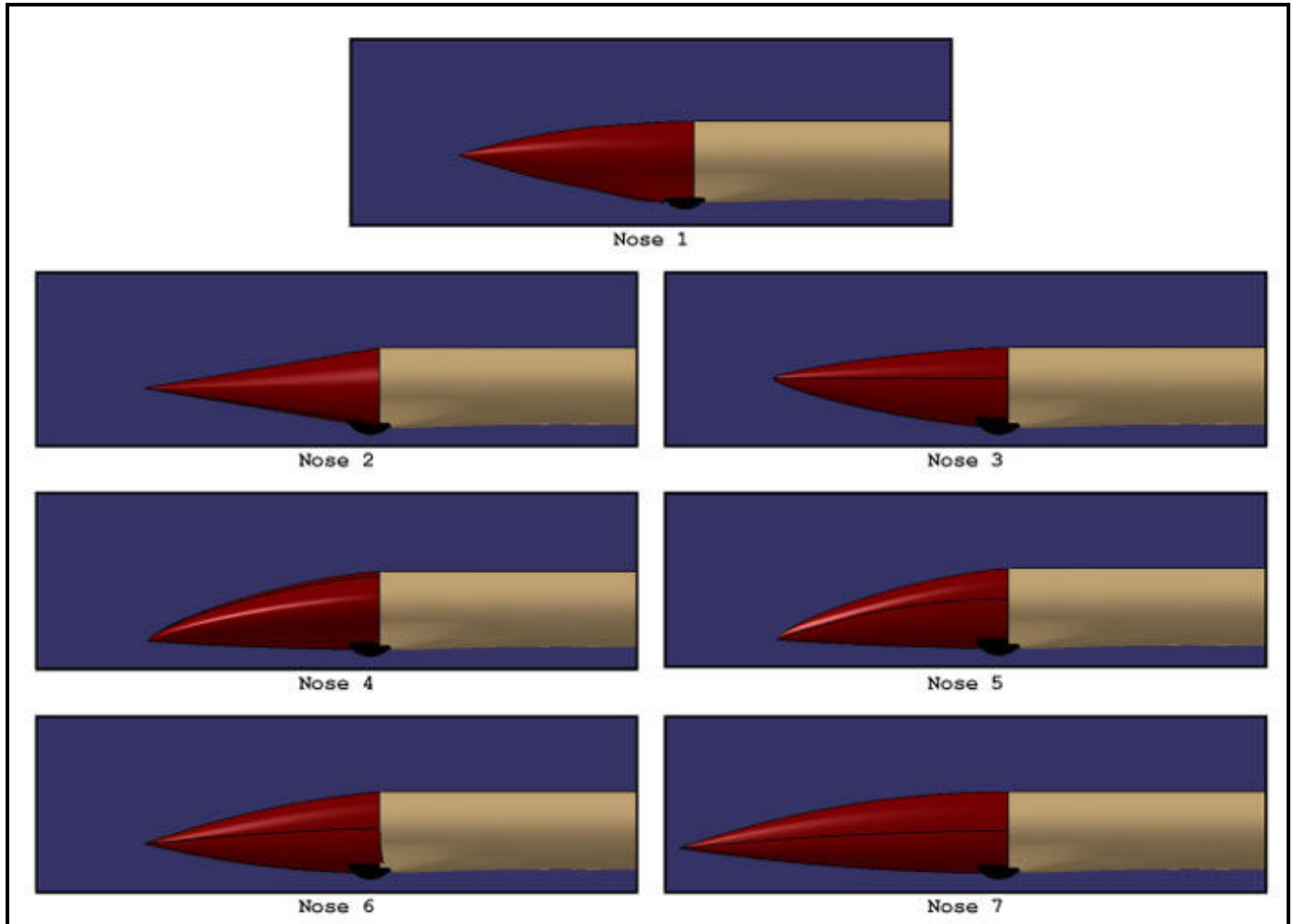




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CFD Nose Design

Dan McKeon our resident CFD expert has performed CFD comparison runs on various nose designs for Aussie Invader 5R. This has confirmed the design we are moving forward with.



The CFD on the nose can be performed in virtual isolation as this is the first part of the car the air hits and is virtually undisturbed. As the flow of air moves down the car it becomes more disturbed as it hits other parts of the body, making predictions far more complex.

Below is a link to a basic overview of the nose shapes we looked at and their strengths and weaknesses. Thanks Dan great work explaining this complex subject to us all. This work has confirmed that nose shape no. 6 is the preferred design.

http://www.aussieinvader.com/pdf/AI5R_nose_design_dm.pdf





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Top Gear Australia



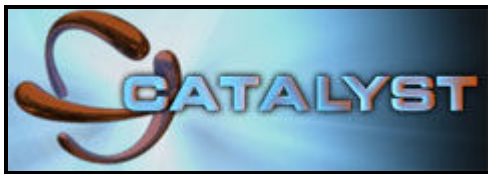
Several months ago Top Gear Australia magazine sent a reporter round to see me to write a feature on the Aussie Invader project, the team and myself.

At the time their reporter seemed to have trouble getting his head around the concept of a 16m car, weighing up to 9 tons with 200,000 bhp on tap. After several months with nothing appearing, we had suspicions that the article had been dropped, as a car with a 0 – 1000mph in 20 seconds is not the normal test drive they feature on the show.

This month the article actually appeared in their latest issue and I have to say Top Gear has done us proud. The article is nearly 5 pages long and in true Top Gear style very tongue in cheek, but also very entertaining. **Read the full article:**

http://www.aussieinvader.com/Top_Gear_May_2010.pdf

ABC Catalyst – Showing Thurs 3rd June 8pm



This coming Thursday ABC's Catalyst programme is showing the feature they shot a few months back about Aussie Invader 5R and this shoot also included some background on my drag racing days and LSR attempts.

The Catalyst website makes mention of the coming feature, with the following: *"The current land speed record stands at 1,223 kilometres per hour but Rosco McGlashan wants to go even faster. Graham Phillips travels to Perth, at a somewhat slower pace, to kick the tyres of the jet powered vehicle Rosco used in his 1996 record attempt, and checks out his latest dream machine — powered by a rocket!"*

For those of you that will not be able to catch this programme on Thursday or are not in Australia, you can still catch the broadcast by visiting the Catalyst website once it has gone to air.

See it online at:

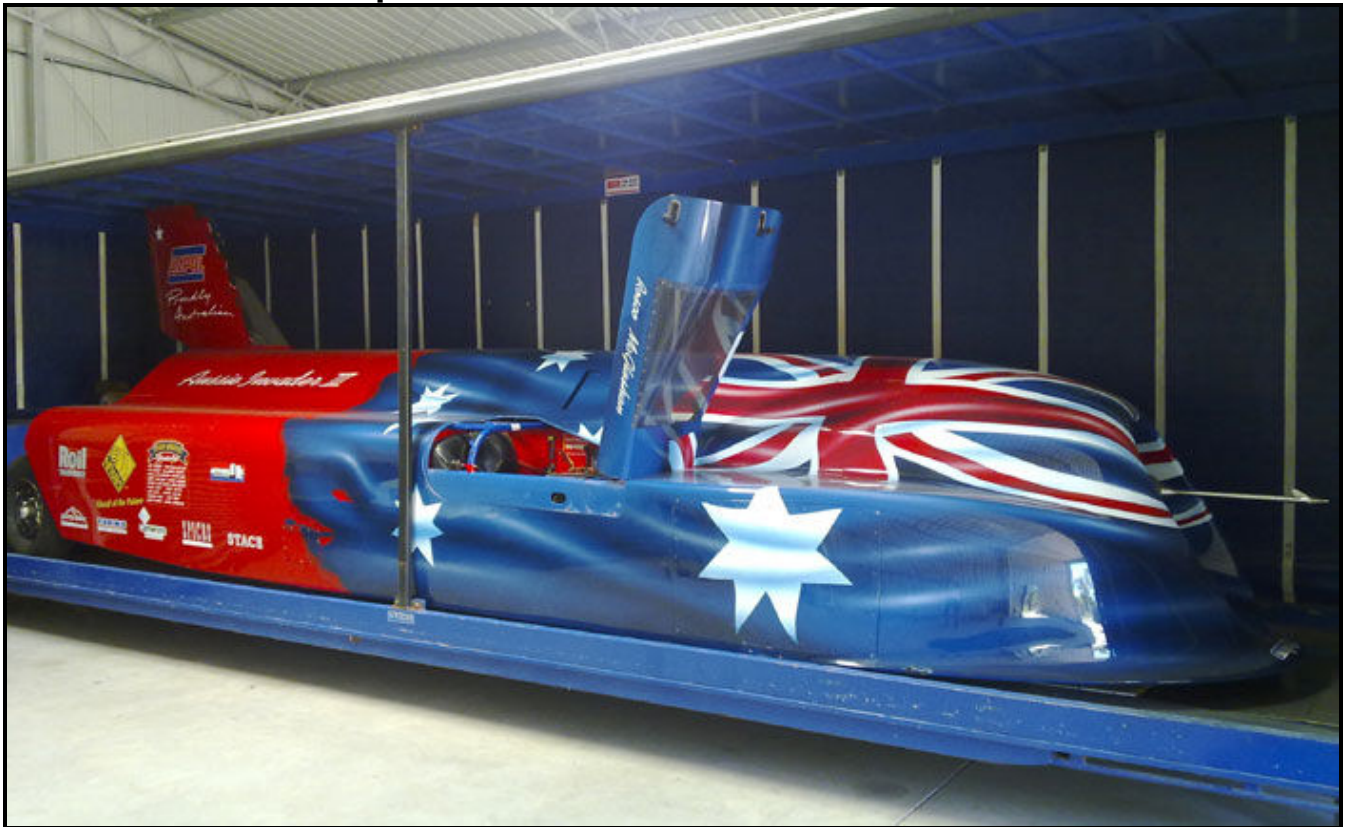
<http://www.abc.net.au/catalyst/default.htm>





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Aussie Invader 3 is up for sale! – SERIOUS ENQUIRIES ONLY



The Aussie Invader 3 is being sold with custom built trailer and spares. This car is ready to run or would sit nicely in a corporate foyer or museum. Contact rosco@aussieinvader.com.

Powered by a SNECMA 9K-50 36,000 H.P with a one piece Kevlar composite body. Fuel consumption was 10 litres per second! Wheels were solid hand forged L77 aluminium designed to spin at 8,000 RPM.

In 1996 after some test passes, Aussie Invader 3 recorded a peak speed of 643 mph. This was at the time faster than the current World Land Speed Record held by Richard Noble at 633 mph and the fastest a car has ever run on salt. However, I was unable to make a return run as bad weather closed in and no record was set.



Recent visit to AI3 with Mark Read





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Next month will be BIG, with a lot happening and an update on our rocket motor development, the skinning of our car, documentary deal done (hopefully), the front end completed and a visit by the world's most innovative engineer John "Ackers" Ackroyd.

Aussie Invader on Facebook



Please link to us on Facebook if you also want to keep up to date with the project. <http://www.facebook.com/AussieInvader>

Cheryl and I also hope to be back living in our house. ☺

A special thank you this month to:

- Di Candilo's Steel City,
- Advanced Electrical Equipment,
- Rowe and Sons
- The Removal Man
- PPG Industries

Very special thanks to **Westrac** and **The Spoiler Factory**.

Please support these companies if you can.

Until next month, be your very best!

Rosco McGlashan

Rosco McGlashan OAM
Fastest Aussie on Earth

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