



NSW government allowed public gatherings of up to 10 people from 1st June. Blacktown City Council is re-opening fields, but only for **training** for sporting clubs and organisations, and with maximum groups of 10 people. This means that launch days are still suspended, pending further easing of restrictions. If the situation continues to improve, our expectation is that on 1st July we may see community sport being allowed. If this is the case, this will allow us to schedule launch days. There are likely to be a number of protocols with which we will need to comply.

Pyrotechnician Licences

Following up from last month's newsletter: It is recommended that all HPR fliers have a pyrotechnician's licence. With SafeWork currently waiving the fee, now is the ideal time to submit your application.

Including storage in your application is probably unnecessary for most members since we now have a local supplier, Altius Gold, who has indicated that they will be attending launches so can distribute motors on site.

There will be an email to members sent shortly associated with this.

Access to AMRS website

Thanks to the perseverance of David Head, all NSWRA members now have AMRS membership numbers. This means that you can now log on to the AMRS website <https://rocketry.org.au/>. To log in, enter your AMRS number as the username, and your email address as the password (you can change this after you're logged in). Members should have received an email from AMRS advising the AMRS number. If you haven't received this, please contact us and we can tell you.

All members are encouraged to use the LCO/RSO course notes to learn more about the hobby, and hopefully be inspired to do the online quizzes to become qualified.

Those intending to certify to HPR L2 are now able to do the online quiz, which is required before the certification flight attempt.

Membership fees

Reminder: All memberships are due to expire on 30th June. Some have already renewed, but we realise that members may be inclined to wait until we know when we can re-start launching. However, if the restrictions are eased next month as we expect, allowing for a launch day late July, you will need to renew before you are permitted to launch. It is recommended that you renew early, at least before 11th July, to be able to collect your new membership card at the first launch day.

As was advised in last month's newsletter, the fee for renewing members is just \$75.

More competitions

We still intend to hold more competitions throughout the year. However, these will be on hold for at least the first few launch days, until we can safely conduct these in accordance with any new launch protocols due to COVID-19.

Upcoming Events

Currently all launches are suspended until further notice

OpenRocket Issues?

(Thanks to Geoff Ingram)

Have you recently been unable to run OpenRocket on your computer?

OpenRocket is a Java application, which means that you need to have Java installed on your computer before you can use it. OpenRocket (OR) requires Java Version 6 or better to run - but does not run with Java versions newer than Version 8. If you have installed a new version of Java, you may have a problem. If so, this link may help (untested): <https://www.rocketryforum.com/threads/openrocket-packaged-installers-for-windows-and-mac-to-solve-all-your-java-problems.143540/>

The current version of OR is 15.03 – meaning it was distributed in March 2015. Consequently, any rocket motors released after that date are not in the OR database. For example, the F67 motor is absent. There are a couple of ways you can fix this.

If it's just a couple of motors that you want to use that are missing, download the RASP files for those motors (from Thrustcurve.org, for example) and put them in a new directory on your computer. (eg C:\Users\User\Documents\Rockets\My Motor files)

Then, in OR, go to Edit -> Preferences.

In the "User-defined thrust curves" field, enter the new directory (eg C:\Users\User\Documents\Rockets\My Motor files)

OR will still pull up the motors from its own database, but should also find any motors in your directory.

What are your current projects?

Andrew Cameron has been working on an Estes scale model of the "Little Joe II":

"This is my most detailed scale build since I started flying again last year, and I'm really happy with the way that the final paint job and decals came out. The rocket separates at the base of the Command Module, and has a very large central cavity for the parachute (too large in my opinion, the instructions suggest using 15-16 sheets of wadding!). The rocket also contains a **lot** of nose weight to offset the small fin area, a consequence of it being a scale model, so it's much heavier than it looks. I am really looking forward to seeing it fly come the opportunity!

For historical context, the Little Joe II was an unmanned test platform for the Launch Escape System of the Apollo Command Module (the rocket assembly in the nose tower), to verify that the astronauts on later Apollo missions would be able to safely abort during launch and would then be able to land safely via parachute recovery."

