

# NSWRA Newsletter



New South Wales Rocketry Association Inc.

July 2023

We have had a number of new people join the club recently - Welcome!

With this influx of new members, it is a good opportunity for members to familiarise (or re-familiarise) yourselves with the club's launch protocols:

## Step 1. Registration.

Any member intending to fly must register first. You must provide evidence that you are a member of both NSWRA and Tripoli, by showing your membership cards; or, if you haven't received your cards, show a copy of your receipt of payment (or email from Tripoli). You must also have signed the launch liability waiver form. You will then be issued a wristband.

## Step 2. Flight Safety Review (FSR).

All rockets must be approved to launch by a flight safety review officer/RSO. Fill in all the required fields on the flight card – do not write in the shaded sections. **Write legibly**; the FSR officer and LCO must be able to read it. Always re-check that you've filled in the card properly and initialled it before presenting the card and rocket for approval. There are examples of how to fill in cards at the end of this newsletter.

Be aware that you, the owner of the rocket, are responsible. You need to assure yourself that the rocket is OK to launch. Do not rely on FSR to identify any deficiencies.

Note: the first thing that FSR will check is that you are wearing a wristband. If not, you may not launch.

Once approved, the flight card will be initialled by the FSR official. If it's not initialled, the rocket won't be launched.

## Step 3. Launch control.

Place the rocket on an appropriate pad, checking that it slides freely on the rod. Connect the clips to the igniter, ensuring that they're not touching each other. Write the pad number on the flight card, and put the card on the clipboard for rockets to be launched on the LCO table. The LCO will check that all the cards have been initialled by the FSR officers.

## Spot Landing Competition

We have held these competitions on several occasions this year. These have proved to be very popular and a lot of fun. Congratulations to everyone that was able to land close to the nominated "target"

## Mullaley weekend / rescheduled Whalan launch day

The next Mullaley weekend has been scheduled for 30<sup>th</sup> September – 1<sup>st</sup> October. If you are intending to attempt a HPR certification, please contact Tim well beforehand.

As we would ordinarily hold a launch day at Whalan on that Saturday, this has been deferred to 14<sup>th</sup> October. Note that the usual October launch at Whalan at the end of that month is scheduled for SUNDAY 29<sup>th</sup> October.

## Macquarie University Astronomy Open Night (AON)

The AON at Macquarie University will be held on Saturday 23<sup>rd</sup> September. This is a good opportunity to promote rocketry and NSWRA. We will again be having a stand, and are expecting to be allocated the same area as previously. This allows us to have around 6 – 8 people. If you are interested in attending and helping out on the stand for an hour or two, please let me know.

# Spaceport America Cup

## Congratulations to our University teams

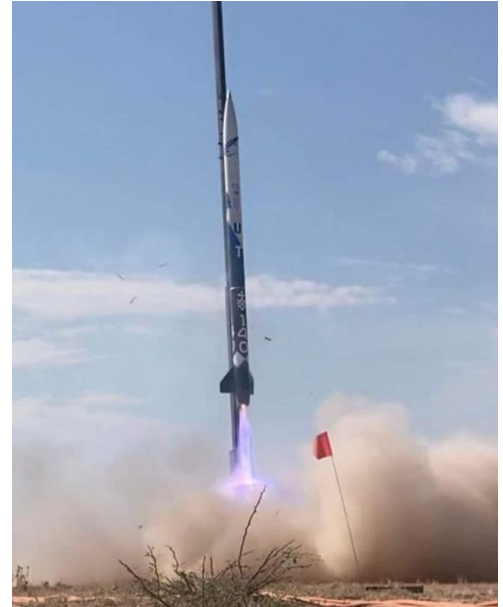
Australia was well represented at this year's Spaceport America Cup, with teams from University of New South Wales and University of Technology Sydney, along with Australian National University, University of Queensland, Monash University, University of Melbourne, and University of Western Australia.

UNSW placed 3<sup>rd</sup> out of 24 teams in their class, and UTS placed 20<sup>th</sup> out of 67 teams in theirs. This was a fantastic achievement. Congratulations, guys!

The pic shows the UTS "Blue Tongue" rocket being launched at Spaceport America Cup on a L1050 motor.

It attained an altitude of 10,549 ft.

(taken from the UTS Facebook page)



### Upcoming Events

All launches are at Whalan Reserve unless otherwise noted

#### July

29 Launch Day

#### August

26 Launch Day

#### September

23 Macquarie University Astronomy Open Night

30 Mullaley weekend

#### October

1 Mullaley weekend (continued)

14 Launch Day (deferred from September)

29 Launch Day. SUNDAY