



## September Weekend at Mullaley



5 NSWRA members attended the last HPR weekend at Mullaley on 12<sup>th</sup>–13<sup>th</sup> September. We were joined on this occasion by Chris Barnes, the TRA NSW Prefect.

Tim took advantage of this to certify to L1 with his “Weasel” rocket using an H123, for a flawless flight. Congratulations, Tim!

There were plenty of other fantastic launches (and a couple less than perfect!) that made for a great weekend.

Notable launches:

- Tim’s “Weasel”
- Ariana’s “Uranus”, a 2-stage rocket with a cluster of three C6 motors in the booster and a D12 in the sustainer.
- Chris’ “Drag Queen”, first on an “I” sparky motor, then on a “J”
- 2 launches of Andrew’s “R6 Blackbird” using H128 motors
- David C’s “Bunyip” on an I161
- Matthew’s “Callisto” on a variety of “G” motors (G88, G126, G250)
- George’s “Dark Shadow” water rocket – launched first at 500psi, then at 700psi! This launch gave George his highest altitude to date, 1941 ft (591m). We expect over 2000 ft for the next launch (no pressure, George!)

George has posted video of this on our website and on Youtube: <https://www.youtube.com/watch?v=WoQSL4cGDAk>

George has also posted video of other rockets launched on this weekend on our website and on Youtube: <https://www.youtube.com/watch?v=1XqXHrvlNXc>. Very nice work, George!

## MicroMaxx Motors on Sale

These tiny motors are a bit of fun. They have a total impulse of 0.18Ns, an average thrust of 0.22N, and a 1 second delay.

As an incentive, Berg’s Hobbies is currently offering these for sale at the special price of just \$5 for a pack of 8 motors, with igniters. David C will have a few of these packs in the motor box, so they should be available for purchase at any club launch.

## Next Sunday launch on 8<sup>th</sup> November

Launch days are typically held on the second Sunday and last Saturday of the month. As such, occasionally the second Sunday will fall on the weekend immediately following that of the Saturday launch. This is the case for the Sunday launch in November. Please check the website to confirm.

### Upcoming Events

All launches are at Whalan Reserve unless otherwise noted

#### November

- 8 Launch Day
- 28 Launch Day

#### December

- 11 Launch Day. Last launch for 2015
- 25 Christmas Day. Looking forward to seeing some rocketry goodies under the Christmas tree

#### January

- 30 Launch Day. First launch for 2016. (Note: No Sunday launch in January)

## Launch Day 11<sup>th</sup> October

Number of launches: 20

We had 3 new members flying today – Basil, Douglas and Jason.

Welcome, guys!

Basil & Doug were launching their “Asteron” rockets on C6 motors for some nice flights.

Jason successfully launched his “Puma” on an A3 motor, and his “Zenith”, first on an A8 and then on a C6. Unfortunately his scratch-built “Glasnost” had dubious stability.

For those that may not be aware, there are 2 excellent simulation programs available that can help with this – Rocksim and OpenRocket. OpenRocket is a free down-load (requires Java). Links to both these programs are on our website:

[http://www.nswrocketry.org.au/PublicPages/Public\\_Software.html](http://www.nswrocketry.org.au/PublicPages/Public_Software.html)

Rhys launched his “Ascender” rocket on an F15 motor to achieve MPR accreditation. Congratulations. Rhvs!

Norm used a G64 motor in his “Arreaux” (with a camera for the nose), and Andrew tested his “R6” for dual deployment also using a G64.

Tim’s “Weasel”, after flying successfully at Mullaley, had a nice flight with an F22 motor.

George’s “Axion II” water rocket had 3 perfect flights, and his son, Paul, flew his “Pod 2”, “Fire Flight” and “Black Thunder” rockets.



Andrew’s “R6” on a G64

## Launch Day 31<sup>st</sup> October

Number of launches: 19



L to R: Anthony & Callum’s “Alpha III”, Jason’s “Puma” and “Zenith II”, Paul’s “Black Thunder”

Another launch day in near-perfect conditions, until rain threatened and we called a stop just before noon. As it turns out, this was nothing more than a few light sprinkles with some wind gusts, but most people had finished launching anyway – plus, we’ll be launching again next weekend!

Joining us today was a new member, Anthony, with his son Callum. Welcome! Their “Alpha III” had a maiden flight on an A8 motor, followed by another perfect flight on a C6. With little wind, even with the amazing altitude for this flight, recovery wasn’t far.

One of our visitors, Norm with his son, had great flights of their “Heatseeker” and “Payloador” rockets on B and C motors.

Jason launched his “Zenith II” and “Puma” rockets.

The flights of George’s “Polaron X” and “Axion” water rockets were flawless (of course!), and his son Paul launched his “Fire Flight” and “Black Thunder” rockets.

Probably the worst flight of the day, although spectacular, was David C’s “G3” on a G77 Redline LMS motor. This experienced motor chuffing, undoubtedly due to the age of the motor, before eventually lifting off for actually quite a reasonable flight, but the chute didn’t deploy. I am pleased to say that this was the last of those particular motors.