



It's been a hectic start to the year, which unfortunately has delayed the issuing of the newsletter. There also won't be detailed launch reports in this issue. The next issue should be back to the usual format.

NSWRA visit to ANSTO

We were again involved with the ANSTO Water Rocketry Workshop at Lucas Heights on Wednesday 23rd January. The few club members that could make it really enjoyed the free tour of the facility.

Please Renew Your Membership

Membership renewals are due by 1st July. Please renew promptly. We need to advise NSW Fair Trading of our membership numbers, and it allows us to help satisfy our insurance obligations.

The process for joining was changed recently. The application form is on the website, which can be downloaded, completed and emailed to the club. It then needs to be printed out, signed and brought to the next launch, when payment can be made by direct deposit, cash (exact amount, please) or cheque.

For renewing members, if your details have not changed, you can simply renew by paying the membership fee. It is preferred that you do this by direct deposit. Please contact us to obtain the bank account details.

The membership fee is still \$150 (senior rate), with the junior rate (1 child under 18, restricted to low power) at \$90.

Competition Day / Registration Day

Saturday 15th June is our competition and registration day. This is the time to bring your updated membership form, if your details have changed, and you wish to pay in person.

This competition will again be an altitude-duration contest, allowing any rocket/motor combination to be used. The target altitude this time will be **400 feet**. The aim is to launch a rocket so its peak altitude matches the target, and the duration of the flight is as long as possible.

The score will be determined from the flight time in seconds, minus the recorded distance in feet away from the target.

The fine print: *The judges' decision is final, and no correspondence will be entered into.*

The altitude of the rocket will be measured by an altimeter. The club has several "AltimeterOne" units that can be borrowed on the day. In order for these units to sense the change in barometric pressure, one or more small holes (approx. 1.5mm diameter) should be drilled in the airframe of the rocket, just below the shoulder of the nosecone.

The winners will get first choice of one of the fantastic prizes on offer.

Launch with CRG at Ardlethan

We have been invited to join the Canberra Rocketry Group for their upcoming launch weekend on 29-30 June at Ardlethan, approx. 5 hours drive from Sydney. Several of our members have already advised they will be attending. Visitors are welcome, but as CRG are insured through Tripoli, anyone wanting to launch must be a member of TRA. You can join at <http://www.tripoli.org/>

It is usual CRG policy that all HPR fliers have a valid pyrotechnician's licence, but for this launch CRG will allow non-licensed members to fly HPR under supervision (as NSWRA do)

Tripoli NSW Prefecture re-formed

NSW used to have a TRA prefecture, but this was let lapse a few years ago. This prefecture has now been re-activated. Being a member of NSWRA means that although it is not necessary to also join TRA, there are some advantages in doing so – eg being able to launch at other TRA-sanctioned events, such as those held by CRG

NSWRA display at Powerhouse Museum

To celebrate the 50th anniversary of the moon landing the Powerhouse Museum is looking at having a celebration day across the museum, to be held on Sunday 21st July:

<https://maas.museum/event/apollo-50th-at-the-powerhouse-museum/>

They have approached NSWRA and we have advised an interest in attending.

This is a good opportunity for us to boost our profile and raise awareness of model rocketry in general.

Any NSWRA members that want to be involved with this please respond by email or contact one of the committee.

We would like to have as many Apollo-related or other space models as possible on display – so even if you can't make it to the Museum, maybe we could borrow your prized possessions? Note: Saturday 15th June at Whalan is our last local launch day before the museum event, so bring along your rockets this Saturday.

Sparky Motor Protocols

In case you're unaware, we have issued a document to formalise the protocols required when launching rockets with sparky motors.

This covers all the aspects of members' responsibilities, duties of site personnel, cleared area requirements, post-launch checks, etc.

If you intend to launch a sparky motor, or just want a bit of light reading, you should read this document:

<http://www.nswrocketry.org.au/Documents/SparkyMotorProtocols.pdf>

Upcoming Events

All launches are at Whalan Reserve unless otherwise noted

June

15 Competition/Registration Day

29-30 CRG weekend at Ardlethan

July

21 NSWRA at Powerhouse Museum (TBC)

27 Launch Day