

# NSWRA Newsletter

New South Wales Rocketry Association Inc 16<sup>th</sup> September 2010

We've had a number of good launches over the last couple of months. Photos of these launch days can be found here:

(Apologies, I haven't posted the last launch yet)

[http://s278.photobucket.com/albums/kk99/elta100/NSWRA\\_2010-08-28/](http://s278.photobucket.com/albums/kk99/elta100/NSWRA_2010-08-28/)

[http://s278.photobucket.com/albums/kk99/elta100/NSWRA\\_2010-08-08/](http://s278.photobucket.com/albums/kk99/elta100/NSWRA_2010-08-08/)

[http://s278.photobucket.com/albums/kk99/elta100/NSWRA\\_2010-07-11/](http://s278.photobucket.com/albums/kk99/elta100/NSWRA_2010-07-11/)

[http://s278.photobucket.com/albums/kk99/elta100/NSWRA\\_2010-06-26/](http://s278.photobucket.com/albums/kk99/elta100/NSWRA_2010-06-26/)



## Altitude competition 25<sup>th</sup> September 2010



An Altitude competition will be held next launch day. The classes of entry are:

### Three Divisions: 'L', 'H' and 'P'

#### Division L

- Engine size open E and above
- Rocket must launch safely, completely deploy recovery system and land safely
- Non-structural damage is acceptable (eg dinged fin but not broken off)
- Tumble and impact controlled recovery not eligible

#### Division H

- Engine size open
- Rocket must launch safely, completely deploy recovery system and land safely
- Non-structural damage is acceptable (eg dinged fin but not broken off)
- Tumble and impact controlled recovery not eligible

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- Scoring is on two scales
  - Absolute = 1pt / foot
  - Factored= absolute/ engine classification (A=1)

For example, a C motored rocket reaches 600' absolute altitude, an F motored rocket reaches 1100' and a G reaches 1400':

$$600 / 3 = 200\text{pts}$$

$$1100 / 6 = 183\text{pts}$$

$$1400 / 7 = 214\text{pts}$$

## Division P

- Competitor advises judges before flight of predicted altitude of flight
- Scoring is based on the % variance from predicted flight- smallest variance wins

## All:

- Altitude calculation is at the discretion of the judges

**Now to sweeten the deal, the winners of each category will win a rocket kit!!**



The two rockets up for grabs are a LOC Precision Ezi-65 and an Estes Hi-Flyer. **Thank you to Suburban Rocketry!!**

**To promote this event, the NSWRA will supply two A8-3 motors for all full members present at the event for entry into the competition. This will allow entry into Division H and Division P.**

That means that there are no excuses for not entering!

**Please keep the gate locked!!!**

**LOCK THE GATE!!!**

The landowners have strictly told us that the gate for vehicle access must be locked at all times. After you have driven through please replace the lock and lock it. If it is the combination lock you need to tumble the number wheels in order to activate the locking mechanism. Don't assume that someone is following you and leave the gate open- it could be the ranger!

## Upcoming events

The **NSWRA AGM** will be held in the coming months. If you are keen to have your say about how the club is run please come along. Details will be provided in the near future.

A **Theory Day** will be held in the coming months as well. If you are keen to enhance your knowledge about rocketry or if you want to get some hints about rocket construction then this will be the place to get. Details will be provided in the near future. If you have any specific requests about a particular topic to cover please let me know so that we can be sure to cover it.

## Next launch day

The next launch day is scheduled for Saturday 25<sup>th</sup> September 2010 followed by Sunday 10<sup>th</sup> October 2010.

Andrew Eltobaji  
NSWRA President