

Flight Torque



Official Newsletter of the Onkaparinga Radio Aero Modellers Inc.

Flying Field - **28 The Pines Road, Sanderston, SA**

Club Meetings **Torrens Valley Christian Centre, 1323 North East Road, Tea Tree Gully. SA 5091**

Meetings held on the last Wednesday of the month (no meeting in December)

Next Meeting will be held on the **28th June, 2017**

It is unfortunate that I must begin this newsletter with some very sad news. I was giving this news by Peter today, who informed me that Colin Reedman had passed away on Tuesday the 20th of June, 2017 after a short (12-13 weeks) battle with cancer. He will be a great loss to the aeromodelling community.

Many of you will remember Colin from the Scale Society and also from the talks he has given at our monthly meetings, where he would talk to us about the range of Deluxe Modelling supplies and adhesives. He loved this hobby and was one of the easiest people to talk to and loved helping others with his wealth of knowledge on many aspects of aeromodelling. He will be greatly missed.

On behalf of the Onkaparinga Radio Aero Modellers, our sincere condolences to all his family and friends during this difficult time.

Rest in Peace Col.

This months meeting, we will have a guest speaker, Mike O'Reilly will be coming along to speak to us about his jet turbine foam model, agency for OS Engines, other events happening at Model Flight and visits to overseas modelling exhibitions. Should be an interesting talk.

Please remember that your club fees are now due, without insurance you cannot fly at the field. I have included the fees schedule later in the newsletter.

The field is looking pretty good, some weeds have made an appearance, but nothing we cannot manage. We have had some good weather recently and it was good to see some of you at the field on days I was up there. It would have been nice to be up there more often, unfortunately weekends are really the only time I can get there. We had fun all the same.

Peter will be bringing to the meeting some new Master Propellers G/F 11 X 6 size which he would like to sell for \$4 each. So If you are interested, bring along your spare change.

The Stall Turn— Simple Aerobatics.

The stall turn is considered one of the basic manoeuvres that you can perform with your model. If the manoeuvre is done correctly, it is quite graceful and is a pleasure to watch. A simple 3 channel trainer can perform the stall turn quite well, as long as two of the three channels are Elevator and Rudder, since these two control surfaces are what we need for the stall turn to work.

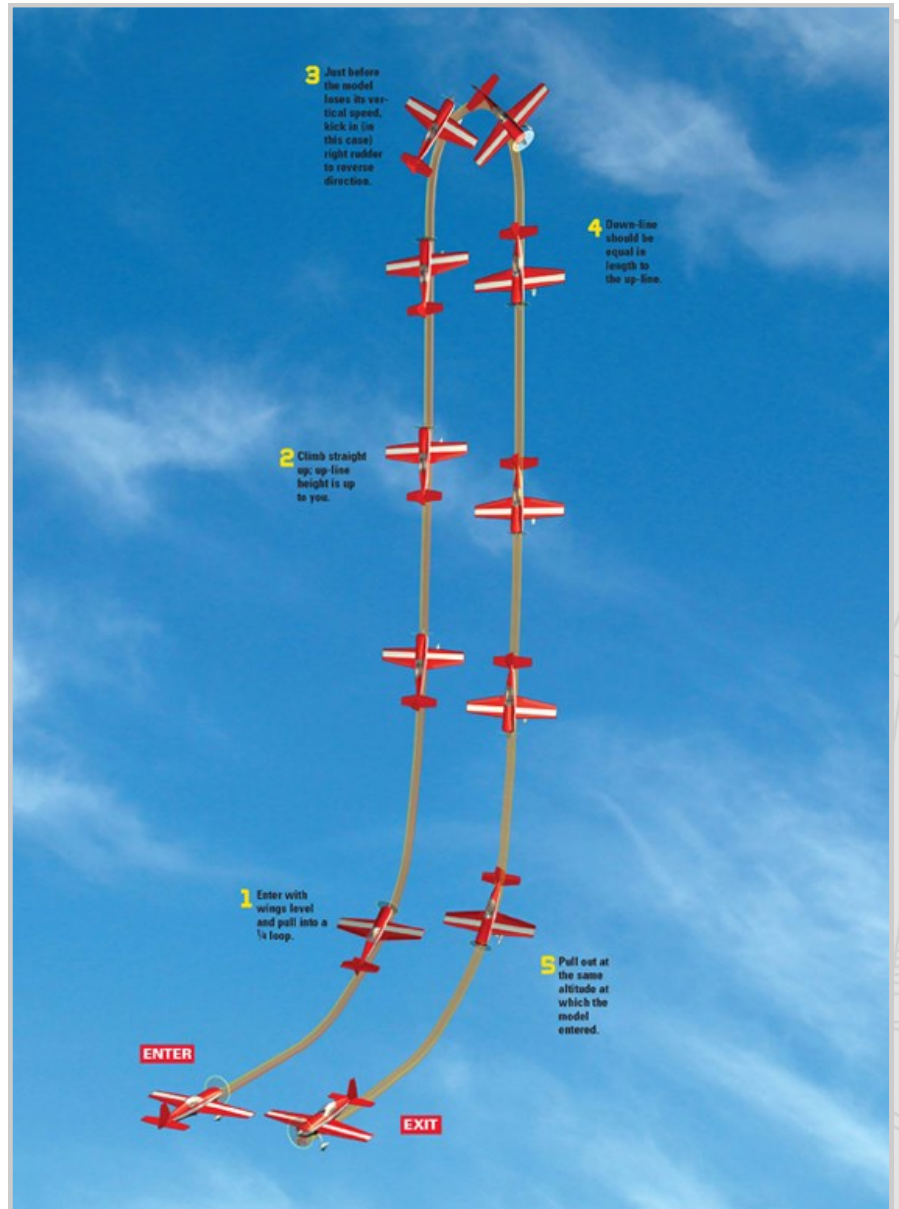
So what are we trying to achieve? In a stall turn the model starts of by flying straight and level. The aircraft then performs a quarter loop, or flies straight up. As the models forward momentum decreases and the model is almost at a hover or hanging vertically, at this point the aircraft pivots 180 degrees yaw, around one wingtip. The model then falls into a vertical dive where it pulls into another quarter loop to fly straight and level in the opposite direction. Simple hey?

Well lets dissect the different parts to this manoeuvre to make them cleaner. Please note it doesn't matter if you fly this manoeuvre into the wind, downwind, or even cross wind, since we are changing the orientation of the aircraft. Sometimes it is preferred to fly this manoeuvre cross wind, as the wind may help with making the turn a little easier.

Flying straight and level, keeping your wings as flat as possible, pull up into a vertical climb. This may sound weird, but practising this can make your stall turns look much better. Practise the vertical climb so you are able to keep the wings straight and the model flying straight up. You may need to use a little aileron, rudder and elevator to achieve this. If the model is crooked at the start of the turn, it will most likely be crooked at the end also.

Keep an eye on the model as it goes vertical and take note of which way it wants to go, adjust by using the control surfaces on your aircraft to keep the plane flying straight up. An aircraft with a non-symmetrical wing will have more of a tendency to try and fall onto it's back, so a little down elevator may be needed to keep the nose pointing straight up.

Once we have the vertical ascent mastered, it's time to do the turn. Keep a little throttle on, about quarter of the way, depending on the model. This will help the aircraft to turn, instead of flopping over. So with a little bit of forward momentum, use your rudder and turn it either to the left or right, one side will feel more comfortable for you, for me I prefer going to the right, so practise going left to familiarise yourself with the model going left. You will pick it up. So when the aircraft is in the horizontal position in the turn, cut the throttle, the forward movement of the aircraft will bring the plane around, release the rudder back to the central position, but do this smoothly to prevent tail wagging or bouncing on the way down. Also keep an eye on any roll that the rudder may produce as the model is going through the turn, some application of aileron may be required to keep the model pointing in the right direction. This requires a great deal of coordination and you will most likely get it wrong many times before you have that 'click' moment and you understand what the plane is doing, through the turn.



The Stall Turn—Continued.

As the model descends it will pick up speed, keep the model flying straight down using a little rudder, elevator and aileron if needed. Add power so you have enough airspeed to pull out. This is where you perform another quarter loop or pull up and go back to straight and level flight. Try and pick the timing so the altitude you pulled up into the vertical, at the beginning of the manoeuvre is the same altitude as when you pull up into the straight and level flight.

So what's next? How about adding a half turn into your vertical components of the manoeuvre, this adds a little more complexity to the stall turn, but still regains the all important turn at the top of the climb.

It would be great to see you all try this the next time you are at the field.

Written by Andrew Wall.

Game Obsession Expo—Mannum

If you are thinking of going to the Game Obsession Expo at Mannum to help out on August the 6th, 2017, please let either Peter W or I know so we have an idea of who is going to turn up. If you have any models you would like displayed on the day, contact either Peter or I, so we have an idea on what models will be shown. There is no point having 5 Bixler2 models on display. A variety of different aircraft would be great to see, from training aircraft, to more advanced models. Something that catches the eye would be great to see.

I can be contacted on 0475611185 or Peter at 0419 836 898

Or you can email the clubs email address at oramclub@gmail.com

GAME OBSESSION EXPO
Share your obsession if you're game!

Sunday 6th August 2017 9.30am - 4.30pm
Mannum Showgrounds
The 2nd Game Obsession Expo
featuring
Games, Obsessions, Hobbies & Interests
Family Friendly ~ Displays & Sales ~ Rides for the Children

GAME OBSESSION EXPO
Mannum
Hobbies-Obsessions-Games

Activities include:
Cosplay, Rides & Sideshows, Collectables, Artisan's Corner, LARP, Warhammer 40K, Cars, Trebuchet Challenge, Food, Remote Control, Live Entertainment, Medieval Re-enactments, Toys, Quidditch (based on the Game from the Harry Potter series), Jousting, Lego, Appearance by Southern Dewback Garrison & Rebel Legion Ryloth Base, & Much More

www.gameobsession.com.au
www.facebook.com/gameobsession
Further details: Gavin Pitman 0419 828 339
games@mannumshow.org
PO Box 244 Mannum SA 5238

Admission Adults \$8, Children \$2, Family \$20

Logos for: Lolly BAKERY, MANNUM SHOW, Mid Murray Council, and The Department for Communities & Social Inclusion.

An unfortunate end...

Many of you may have seen Knuth's Wilga Tow Aeroplane. Unfortunately during its maiden flight on the 18th, it suffered from loss of radio signal and hit the ground vertically. The plane looks to be a complete write off. Although from a quick visual inspection most of the damage was on the fuselage, with the wings untouched. Closer inspection may show more.



ONKAPARINGA RADIO AERO MODELLERS Inc.

MEMBERSHIP RENEWAL 2017 / 2018

2017/2018 FEES

SENIOR	\$ 235.00
PENSIONER	\$ 203.00
JUNIOR	\$ 92.00
ASSOCIATE	\$ 125.00

NB: PRINTED MASA Newsletters will no longer be available due to cost. Future access is now through MASA Web site.

MEMBERSHIP FEES DUE BY 30th. JUNE 2017

FEES NOT PAID BY DUE DATE

PROHIBITS MEMBER FROM FLYING

PLEASE COMPLETE AND RETURN WITH PAYMENT

NAME :

DATE OF BIRTH

RETURN PAYMENT : **Treasurer, ORAM**

47 Palmerston Rd.

UNLEY 5061

EFT Payments

Bank S.A.

BSB : 105 – 135

Account # 506209440

PLEASE ADVISE BY E-MAIL DETAILS OF FEE PAYMENT

**Minutes of a Meeting of ORAM Members held at Torrens Valley Christian Centre on Wednesday
31st May 2017 at 7.30pm**

Present : President Andrew Wall and 10 members signing the roll.

Apologies were received from Harvey Taylor and Steve Redsell

Minutes: The Minutes of the March and April 2017 Meetings were confirmed .

Treasurer's report: While the Treasurer was not present to present his report the ORAM rep' on the MASA Committee (Murray)advised that the AGM had confirmed no change to Subs and on Harvey's recommendation it was decided that ORAM subs should remain the same also. It was **resolved** that membership subs for all classes of membership for the year ended 30th June 2018 would remain the same as in the previous year.

MASA report:

The Currency Creek field and the question of whether we are a "Sport" (Dept for Sport and Rec) remain ongoing issues to be resolved.

Strath' Club are negotiating to purchase their field from the Starth' Council

Subs' are to remain the same for the year ended 30th June 2018

Members were reminded of the Club's participation in the Mannum Hobby Expo on the 6th August 2018. Eddie asked that members be reminded closer to the date.,

Meeting closed at 9.00pm

After supper, Knuth presented his PZL "Wilga" for general discussion and view . The model used an EMCOTECH power delivery system

