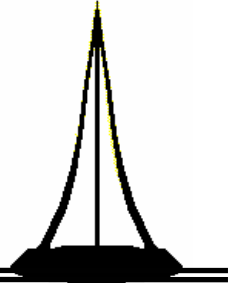


PROPWASH

Rockhampton Model Aero Club Inc

MONTHLY NEWSHEET

May 2007



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News around the Club.

How time flies, another month gone and nearly winter (if you want to call it that). The Terry Phillipson has been and gone and was an enjoyable event with plenty of flying and no major breakages, (not counting combat). People are already talking about the event for next year. The fun-fly on the 27th with Gladstone and Callide Clubs went well with plenty of flying and talking. Some 7 Gladstone members and 2 Callide members as well as the Rocky boys enjoyed the day and the BBQ that Nick and Vicky

organised. The field is looking great with the outer areas slashed and the strips a bit greener with some grass from the recent rain.

Membership renewal.

It has come to that time of year again where the Club fees are due. The renewal forms were printed after checking to see if there were to be any changes in the MAAA fees and I was informed that there were **no** changes. Four days later I was informed that the fees have changed, **typical**. But the news is not all bad as the fees have dropped since Insurance costs have decreased. Seniors are \$30 less and Juniors are \$10 less. So the final fees due for the 2007/2008 year are **Senior \$168** and **Junior \$100**. Please remember this, in particular if you are posting a cheque for payment.

Terry Phillipson.

Terry Phillipson was held in near perfect weather conditions on the 19/20 of May. Numbers were slightly down from last year but this made for a more casual competition. Old timer had near perfect conditions resulting in most competitors getting at least a couple of maxxes, with the final being a fly off between Garry deChastel and Mike Rankin. Combat, well combat was definitely entertainment especially for the spectators with four models having major flying problems, eg: missing wing in flight, flying in sun and crashing, mid air and loosing engine, same midair loosing RC control (battery disconnected). In all mammoth had 4 competitors, SOS 3, ARF 9, OT 6 and Combat 6. The results are Scale –

Mammoth 1st Garry deChastel, 2nd Mike Rankin, 3rd Chris Lawn

Stand Off Scale, 1st Mike Rankin, 2nd Ray Thompson, 3rd Mike Boland

ARF 1st Garry deChastel, 2nd John Huxley, 3rd Mike Rankin

Old timer 1st Mike Rankin, 2nd Garry deChastel, 3rd Nev Parchet

7 Cell Not run due to only Rocky members (only three) to be run later.

Combat Lindsey Moore.

So start preparing your models for next years events. And join in the fun. Again thanks to Nick & Vicky for the catering. Saturday night was well attended at the Leagues Club and could be considered again for next year.

Meeting Notes.

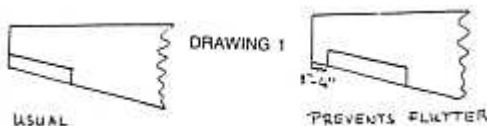
- Some discussion is happening for improvements at the field some of these include * power to the field * a lockable Club house * having a permanent caretaker on site * a new mower/tractor. As with any of these improvements funding is a big issue so, people may need to look at what grants are available.
- The Terry Phillipson is proposed to be on the 3rd weekend in May 2008 and there is some discussion to try to include the public.
- The NQ Scale association may be looking to hold the Scale Champs at the Rocky field, generally decided that the CQ Scale will apply to MAAQ for the comp and the venue will be the RMAC field, with CQ Scale running it.

Flutter. Let's look at a couple of things which can prevent it. Just about everyone knows that "springy" controls may let the control surface flutter. I always use a servo in each wing with a straight shot for the pushrod to the aileron. I have seen too many guys have flutter with sloppily set up bell-cranks. Hey, don't get me wrong, bell-cranks will work. There are just more places for slop which promotes flutter. I also like cables for rudder. My rudders always have the maximum throw, so a little slop at the servo or any play in the servo

gears is multiplied at the rudder. With cables, you can tighten everything up. I have used both single and dual pushrods and also cables on my elevators and haven't noticed any flutter with either setup.

The place I get flutter, when I get it, is on the ailerons, so I always take precautions with them. Flutter occurs at high speed, so if you have a slow plane, you probably won't get flutter. Watch it, however, you may pick up enough speed in a diving turn. I fly some 40 sized fun fly aerobatic planes. These little guys use max control throws and can get going pretty fast in a full power, vertical dive, so the conditions for flutter are present all the time. I can say that I have gotten flutter and cured it and here are my prevention and cures.

From my observations and experiments (crashes), I have found that flutter on ailerons occurs at the end of the aileron out at the wing tip. I also found that if I move them in about 3 to 4 inches from the tip, any flutter tendency goes away. Take a look at the drawing and you'll see what I mean by moving them in.



If you are building a non-scale plane with strip ailerons, cut off the last 3-4 inches and glue it to the trailing edge of the wing. This "fixed" portion of the aileron won't flutter.

If your wing and ailerons are already built and you are getting flutter, try cutting off the last 3-4 inches of aileron on a diagonal as shown in the photo. The diagonal cut offs are illustrated on this original, 40-50 sized, twin-tailed design of mine called the Scrambler.



Another thing you can do on all control surfaces is to keep all the edges sharp and all lines straight. Look at the drawings of control surface cross sections and notice which are good for preventing flutter.

A and B are the ones I used for years until I started having flutter with pattern planes. After a little research, I started doing a better carving and sanding job like drawing C. On all of my giants which have tail surfaces built from 3/8 square, I use elevator and rudder cross sections like D. You got it, flat with square corners and sharp edges. Saves time, easy to cover, and looks like drawing E. That's right, don't bother tapering the balsa sheeting. Glue it together and sand it square. Remember, flutter loves nice rounded edges and curving surfaces, but it hates straight lines and sharp edges.



DRAWING 2

By Ed Moorman

Members in Pictures.



Geoff ready to fly with John getting a start on the watch.

Garry studying the weather conditions for the next flight.



Lindsey and Nev on the line for the next flight



These appeared to be breeding, there were 3 on the day, big and small.



DATES TO REMEMBER

June	29	Club Meeting
June	30	Membership Renewal due
July	7/8	Mackay Helis

