

Aerobat

**The Official Magazine
of the
Hibiscus Coast Radio Fliers Club**



October/November 2020

Issue Number 3 - Volume 20

Club Info

Web Site

www.hcrf.co.nz

Contacts

President

Peter Denison

president@hcrf.co.nz

027 4262435

Secretary/Treasurer

Henny Remkes

Secretary@hcrf.co.nz

027 441-1484

Club Captain

Nigel Grace

clubcaptain@hcrf.co.nz

027 420 3182

Event Organiser

Carmel Remkes

Carmel.remkes@gmail.com

027 434-4748

Frequency Officer

Jim Hall

jimh.geo@xtra.co.nz

(09) 426-1478

Editor

Ross McDonnell

editor@hcrf.co.nz

021 216-0702

CoverPhoto

Peter Denison's
Fairy Swordfish

Wingspan 72"

Power OS Fs V 95

Photo by Peter Denison

H.C.R.F. Calendar 2020

Our fixed flying times are every
Wednesday, Saturday and Sunday morning

Please note these events may change due to COVID 19.

Date	Day	Event	Where/When
3 Oct	Sat	Winch Gliding	Wainui 8.30 am - noon
3 Oct	Sat	Club Meeting	Club meeting 10 am – 11 am
14 Oct	Wed	Twilight 1	Wainui 5Pm till dark
21 Oct	Wed	Twilight 1 Rain date	Wainui 5Pm till dark
7 Nov	Sat	Winch Gliding	Wainui 8.30 am - noon
7 Nov	Sat	Club Meeting	Club meeting 10 am – 11 am
11 Nov	Wed	Twilight 2	Wainui 5Pm till dark
18 Nov	Wed	Twilight 2 Rain date	Wainui 5Pm till dark
22 Nov	Sun	Christmas Lunch	Valentines 12.00
5 Dec	Sat	Winch Gliding	Wainui 8.30 am – noon
5 Dec	Sat	Club Meeting	Club meeting 10 am – 11 am
16 Dec	Wed	Christmas Twilight	Wainui 5Pm till dark

From the Editor's Desk



Well the spring has sprung and although all is not well with the world I hope that it is all good in your world.

I am tapping away on my new computer now running Windows 10. I think this is the first time I have had a computer that is running the latest operating software. A bit of a learning curve and not helped by the fact that it kept crashing. Luckily I bought local so wasn't that far to go

to get a replacement.

Please note, I'm happy to receive copy and pictures from members about their latest project, feature articles on any modelling or aviation related topics of their choice, letters to the editor, helpful hints, nostalgia whilst you can still find or remember it, questions and criticism etc etc. This is your newsletter, I'm only the catalyst,

I DO NEED YOUR HELP

THANK YOU.

Ross McDonnell
Editor

I replaced our bed with a trampoline. When my wife found out she hit the roof...

From the President's Desk

Hi Everyone

Well, hopefully you all have managed to survive through the covid 19 winter, and now can look forward to a long warm summer. By the time you're reading this daylight saving will have arrived and with a bit of luck our twilights will be about to start. (I must ring Jacinda and remind her ;-).

So it's a good time for those of you who have been hibernating to get out your models give them a good check over, and come on down to the field. Even if it's a little cool you will enjoy the company.



You could also browse through our newly acquired library of old model flying mags going back to the 1950s. They have been kindly donated to the club by Stan Somerfield who had them donated to him quite a few years ago by Dave Kilsby, so as they are deeply connected to our club. I have stamped our clubs name on each one, so while you're having a chat with your mates you can browse through them and if you would like borrow one to copy one of the articles not a problem .

Please take note of our coming events all depending on our Covid 19 Status at the time of course.

So looking forward to seeing you !!!! Lets get out there and enjoy ourselves.

Happy Landings

Pete Denison



Technical Tip (contributed by Prof Flapbracket)



Just finished covering a model. Normally I use shrink film and while it looks fantastic when first applied, after a few flights it starts to let go at the edges, or gets bubbly from the sun. The adhesive never seems to be strong enough. This time I acted on a tip from Auntie Google. First I applied a coat of traditional old fashioned sanding sealer. Smells like nail varnish on steroids. If it doesn't clear your headache it'll give you one. Sanded to a mirror finish with 600 paper. Then I applied a coat of thinned down "Mod Podge". This is sold by the craft stores for "decollage" whatever that is. It looks like white PVA but has the characteristic that when you run over it with your hot iron, it softens and then resticks. Used under covering film it gives much stronger adhesion than relying on the film backing alone. It seems to work well and my covering now seems to be bonded securely. Time will tell once we get a few flying hours back in.



Easy Hard Pads (modelairplanenew.com)

For attachment screws on my moulded foam fliers, use old servo wheels as protective hard pads so that the screws do not compress the foam. The plastic wheels also help prevent damage should your screwdriver slip while tightening the screws. It works great on wing bolts and on top of T-tail glider stabilizers.



That's the last time I try boxing against a pirate. He caught me with a left hook...

Fairy Swordfish

Builder Peter Denison
Designer Clifford McIlwee (enlarged Traplet Plan)
Wingspan 72"
Weight 11.5 lb
Engine OS Fs V 95

I have finally finished to the point where I know everything will fit back together ok so I can take the wings off etc. and make a start covering and painting.



The fuselage, forward balsa section is fibre glassed with 38 gram cloth, Solartex for the rear end and wings.

Shouldn't need a lot of paint as I was lucky enough to get Solartex colours that would work light blue for the underside and dark green on top, so will just need a little dark brown or grey paint for camouflage.

Weight wise, the target is 11.5 lbs at the moment its 10.2 lbs with all the hardware on it. COG at this point in time is very close so fingers crossed.



Probably do a test flight before I start the interesting bits like the Lewis machine gun, dummy 9 cylinder Pegasus radial engine, oil cooler, oh yes and got to have a Torpedo etc. etc. etc. It will be hard to know when to stop :-)

I told my wife she should embrace her mistakes. She gave me a hug...

KEEP THOSE WHEELS SECURE!

by Roy Vaillancourt

There are a variety of methods used to secure sailplane and towline wheels to their axles. The most widely used method -- the wheel collar alone -- happens to be the most insecure. This method's obvious drawback is that vibration loosens the set screw and the wheel collar separates from the axle. This situation almost always results in lost wheel collars, lost wheels and rough landings.

Most modellers would say the fix for this is a little locktite on the set screw. That may be fine for a while, but removing the wheel collar now becomes a chore. Stripped set screws are a real bear to extract!

The sketches at right show four progressively better methods of retaining the wheel. These are the most common methods employed today. As the sketches show, the cotter pin method is far and away the best and most secure method. Cotter pins are cheap, easy to install and remove, and they don't rely on torque or locking compounds. In short, they're a sure thing!

Although most modellers avoid the cotter-pin method because of the difficulty in drilling a hole through the axle, it's really not that hard if you know how. The main construction steps are:

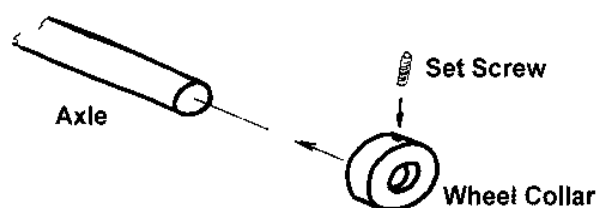
- File the axle flat where you want the hole to be.
- Centre punch the spot where the drill will start.
- Use a good sharp drill run at a slow speed.
- Use oil as a cutting agent to help the drill.
- Use steady pressure on the drill and periodically clean away the chips.
- And re-apply oil from time to time.

If you follow these steps, you'll find the drilling process isn't very difficult. To make the drilling even easier, you may want to anneal (soften) the area of the axle which will contain the hole. To anneal the axle all you need is a standard propane or butane torch like those used to solder copper water pipes.

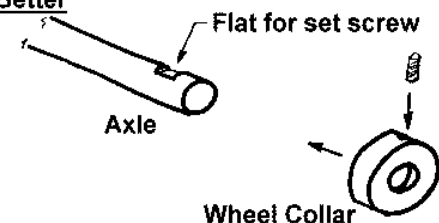
Clamp the axle in a vice with only the last 1/4 to 3/8 protruding past the vice. The vice will act as a heat sink during the annealing process. This keeps the "heat affected zone" localised so that only the area which will contain the hole is annealed. Heat the protruding portion to a cherry red colour then remove the torch. Don't over heat the material but let everything cool naturally. Don't blow on it or use a fan to cool it. *Be patient.* Let it cool to room temperature before removing the axle from the vice. If it cools too quickly it will become harder and more brittle!

If you can't mount the axle in a vice, or don't have one, use a pair of vice-grip pliers as a heat sink instead. Two pairs back to back are even better! Once everything has cooled to room temperature you should be able to "cut" the axle with a file very easily. Then proceed as described above. You'll be surprised how easily the drilling will proceed.

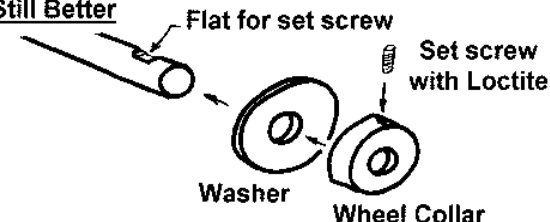
Not So Good



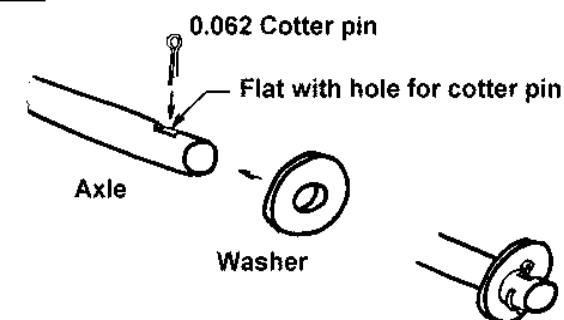
Better



Still Better



Best



F4U Corsair

This 1/8 scale F4U Corsair which was given to Ian McEwen by Bazz Corbett as it had been in his loft for approximately 15 years since he had bought it as kit. It comprised of a fibreglass fuse with foam wing blanks, canopy and cowl.

Ian and I decided to do the project between us. I took the wing blanks which I covered with 1/16 balsa while Ian took the fuse to fit the motor etc. We ended up having quite a few meetings on how best to proceed for the servo mounts and fuel tank installation and all the other bits that make an RC model. Ian supplied the motor which is a Super Tigre 61 which we fitted together.



Although the plane has a suggested flying weight of 8/12 lb, it actually weighs 10lb 12oz which includes 14.6 oz of lead and we are not yet sure if it will ever leave the ground.

We ran the motor up today at the field which was good but still needed some changes to the exhaust manifold. We are still waiting on the decals to come from the States, and will wait until these are fixed before the maiden.



Photos Henny Remkes text by Norm Burns

I have never realised that Karl Marx's sister, Onya, invented the starting pistol.

THE NEW WIFE

Tom finally decided to tie the knot with his long-time girlfriend. One evening, after the honeymoon, he was cleaning one of his model aircraft for an upcoming show.

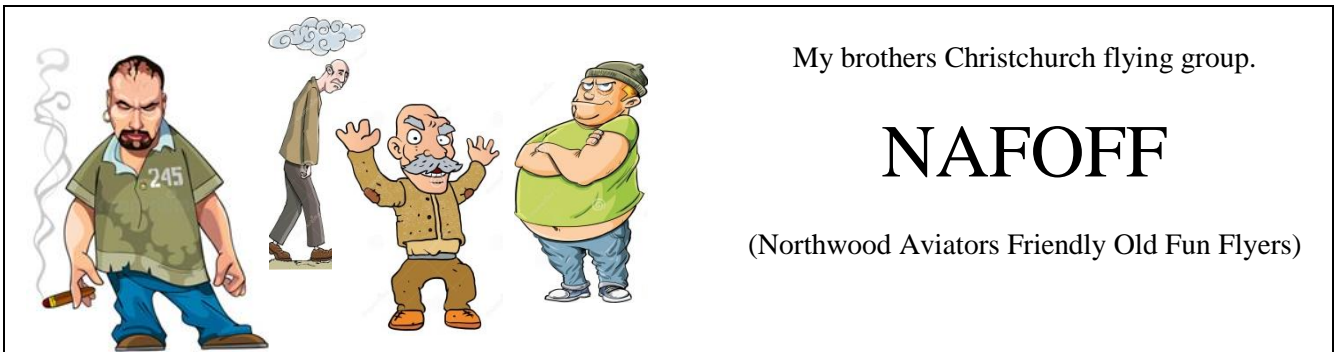
His wife was standing there at the bench watching him. After a long period of silence she finally speaks. "Honey, I've just been thinking, now that we are married maybe it's time you quit spending all your time out here in the garage and you probably should just consider selling all your machinery and those silly model planes.

Tom gets this horrified look on his face. She says, "Darling, what's wrong?"

"There for a minute you were starting to sound like my ex-wife."

"Ex-wife!", she screams, "YOU NEVER TOLD ME YOU WERE MARRIED BEFORE!!!!!!!"

Tom's reply: "I wasn't".



For my next trick, I intend to eat a percussion instrument in a sandwich. Drum roll please....

AROUND THE CLUB



Mud, mud, glorious mud.



The flying field in winter



Jim's favourite job, cutting the Runway etc.



Ian McEwan, James and Linton are ready to fly their IC planes ✈

Photos Henny Remkes

It is easier to preach ten sermons than it is to live one.