

The Free Flighter Journal of the NSWFFS Inc January 2021



MAAA Hall of Fame
Container at West Wyalong

Editorial January 2021

Hi team, the start of another year and certainly a different one! The thought of reduced restrictions and a clearer path to beating this dreadful virus, scrapped by infections in eastern states then border lockdowns. Leads me to think that we will all have this virus in one form or another by the end of the year. Natural infection or immunisation take your pick. That's the grizzle now let's be upbeat!

West Wyalong is looking great. The grass is about three feet high and the sheep are getting fat. Of course, you cannot see a model on the ground, but the landing is soft. Rains have been good, and it has been the best grain season the area has seen for many a year. The MAAA museum container has been partially fitted out and about 60 plaques have been hung on the walls. There are still more to go and there are more plaques stored in Queensland. They will come down eventually and hopefully complete the collection. The control line circle is now complete and is looking a treat. Team race and speed circles marked perfectly with pit stop locations in yellow. Photos are included in this magazine.

There is still more work to be completed but we are getting closer and closer. There is a bit more work on the house to go and this should all happen this year. We have been asked by SAM's if we can make the RC shade bigger. We have told them that our funds are committed at this stage and suggest that it could possibly be a MAAA club grant scheme as it is one of their major flying fields. We fully agree that it needs to be double the width it is at present. We will help get the paper work ready for them to present to MAAA and even put in a few dollars.

Clean-ups are regular and the need to keep the place clear of unwanted stuff is essential. Many of the farms in the area have what seems like a junk yard, ours can look neat and tidy we don't have to match the others.

The 1st West Wyalong Nationals planned for the school holidays this year 7-14 July hopefully will go ahead. I will have to make some enquiries with the COVID-19 gurus before publication but that should happen in the next few weeks. Certainly, more to follow on this. Our next general meeting will be held on the field at Richmond Friday 15 January 2021. With current restrictions social distancing will be much easier on the field than in a closed environment. Flying will commence at the usual time and the meeting after. Bring your general business motions with you. That's about all folks look forward to seeing you soonest.

Terry Bond
President NSWFFS

Minutes of General Meeting 20 November 2020

Meeting opened: 9.38am Richmond Field President Terry Bond in the chair.

Present: Roy Summersby, Gary Goodwin, Peter Scott, John Pennells, Peter Norrie, Ed Mahoney, Phil Warren, Peter Jackson, Steve Buckpitt, John Corby

Apologies:

Barry Lee, Michael Towell. Matt Hannaford Aaron Booth, Reg Towell
Gary Pope

Guests:

Minutes of previous meeting:

Accepted as a true record moved by John Corby, sec Bruce Hao, carried.

Business Arising

Chief flying instructor has now been qualified and appointed, Mike Ward of the Eurobodalla Club, south coast. Terry will be contacting him regards our instructors.

Correspondence out:

Free Flighter, MAAA re Broke field (no answer). Card to The Tolmie's re birth of child.
.Contest calendar to FFDU. Email to sec MAAA re Broke field (no reply)

Correspondence in:

Fly Papers (3) Council re new Quarry at West Wyalong (no effect on us) Renewal of insurance.

MAAA NEWS

Nil

Treasurers Report:

1st Sept 2020 to 30th October 2020

Moved, John Pennells, sec Phil Warren carried

TREASURERS REPORT NSWFFS

Opening Balances

C.B.A – A/C No 229300901281	\$21,878.36
C.B.A - A/C No 233610409062	\$435.25
Opening Total	\$22,313.61

C.B.A 1– Deposits	\$5,820.00
C.B.A 2– Deposits	\$00.00
C.B.A 1- Payments	\$2,584.51

C.B.A – Payments	\$65.00
Balance as of 31/1018 C.B.A 1	\$25,114.35
Balance as of 31/1018 C.B.A 2	\$370.25
Closing Total Balance C.B.A. 1 & 2	\$25,484.60

The treasurer noted that we have commitments in the next month of approximately \$10,000 and around \$1,500 coming in from eBay sales.

General Business:

Roy outlined work at West Wyalong that will be done in the near future, this included.

Ceiling and paint to the back veranda

Kitchen window and wall repairs

Re building of front veranda roof corner

In the distant future

The doubling the width of the R/C shade

There was discussion on how to make the backyard more useable.

Also, discussion on the nationals next year, and the sealing of the hard stand, (Roy to chase up)

Meting closed 10.03 am

President	Terry Bond	0417027579
Vice President	Aaron Booth	0412127270
Secretary & Newsletter Editor	Roy Summersby	0413588720
Treasurer	Gary Goodwin	0414292050
Registrar	Barry Lee	0402329078
Safety Officer	Michael Towell	043317529
Chief Flying Instructor	Mike Ward	0416081536
Scale Coordinator	Phil Warren	0405579904
FB Manager	Warren Leadbetter	0408801539
Contest Org Richmond	Peter Scott	0434276265
Librarian	John Pennells	0243631834

Shop News

The shop now has a quantity of rubber in stock.

1/8 Just arrived Super Sport October 2020

450 gram \$60

225 gram \$30

100 gram \$15

1/8 Tan2 Super Sport December 2007

450 gram \$30

225 gram \$15

100 gram \$10

NOTE

Next Meeting Friday 15th January 10.00AM

On the field at Richmond.

Due to COVID-19 it has once again been decided to hold our meeting on the field at Richmond. This enables us to have social distancing and comply with the 4-meter rule. We do realise some members cannot make it. The other side is that Friday nights don't suit others so I guess it's a tradeoff and clubs are not the place to be at present. Maybe we will get back to normal sometime this year. We will provide a few shades and hopefully the rains will stay away.

Christmas party's

Both Christmas party's went of very well with good numbers, plenty of food and some flying, properly more eating and drinking than flying but both days very enjoyable.

AB Field news

The new year at West Wyalong only saw seven of us there, but with covid running crazy the Victorians were banned along with those which would have come from Queensland. Their main worry was that they might not get back home, then it would have been our worry having to put up with them.

Conditions at West Wyalong were not as good as they could have been, while the temperature was good (not like last year) the wind was constant, some flying was done but nothing too serious (no competitions).

Taking advantage of the wind we managed to get quite a few small jobs done around the place. The main one being the fixing of the Hall of Fame plaques to the walls of the MAAA container. We fixed about 70 and I have been told there are more in Queensland. It's a shame we didn't have them as we have put them up in years. My guess is that we will have to remove them and start again if we want to keep them in order and we do.

While we were there Andrew Heath called in and finished the line marking on the control line circle, it looks fantastic thank you very much Andrew, a great job.

Field use

Over the Australia Day weekend the electric glider boys should be having their yearly trip to the AB field. We hope COVID-19 doesn't upset their plans to much.

Robert Walker's Museum

On one of the windy days, we travelled out to Barellan (about 50 minutes) to see what Robert has in his museum. Along with lots and lots of modelling goodies



Some of the Kits.

Bruce has full size aircraft, cars, tractors and all sorts of what a lot of people (women) would call junk. Robert has spent a lot of time setting up the model side with four rooms showing engines, kits, plastic & flying models and lots of stuff in between. If you haven't been there it's a good way to spend a day that you can't fly.



Stuff that can't fit inside



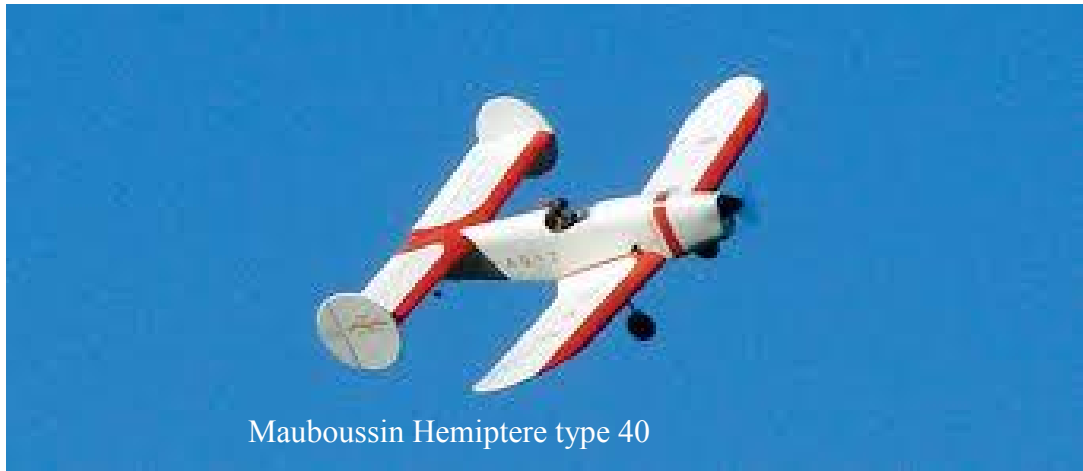
Small part of the full size planes.

Scale Builds

Hi scale guys. I have started to build a Mauboussin Hemiptere type 40 another weird French aircraft. I am having a bit of trouble interpreting the french plans but it is slowly taking shape. Another tandem wing to add to my collection. I hope it turns out as good as the photo.

I have also built two kit scale models, a flyline models Inland Sport an a Guillows Fiesler Storch.

Phil Warren



From our man in Darwin

This is from an old friend of mine, Michael Armstrong. It is his first model in 40 + years and it looks pretty good. It has been built in a yacht in Darwin so space is very scarce. We hope he will join the fold and build a few more.

Roy

I got the little fokker finished but it didn't turn out as hoped. The tissue shrunk so much it pulled the tiny frame of the fuselage in so much it broke some of the stringers. Only happened on the last coat. I'll do some surgery and cut the fuselage from behind the wings off and scarf a new tail section on. Wings are really smooth with no wrinkles but it did warp the tips up. Looks cool but not %100 percent right.

Practice makes perfect I guess.

Cheers and happy new year.

Mike

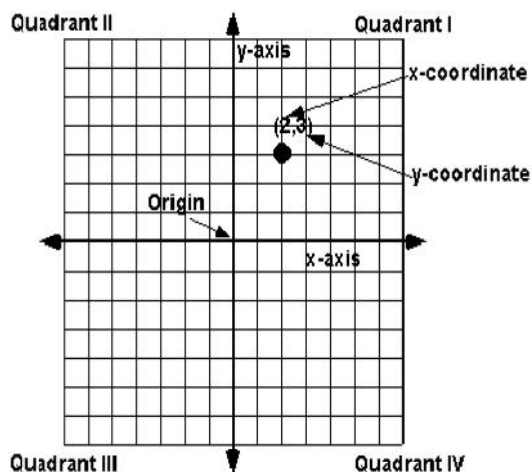


Laser cutting and how the magic happens

By Aaron Booth

We have all seen or had a laser cut kit, but have you wondered how it gets from a concept or drawing to the finished product?. Lasers have been around for a while now and the applications have not slowed since its creation and or gifting by aliens at Roswell in 1947 depending on what you read. This isn't google and it's not the bible according to Aaron, the intent is however to provide an overview of the concepts and processes involved in this technology and present it in a layman's style. The type of laser I'll be discussing is a CO2 laser which is a class IV laser that operates in a narrow electromagnetic wave length way above what can be seen by the eye and is intense enough to cut materials like wood, rubber, plastic and engrave or etch materials like glass, ceramic or fibreglass. From this list you can see it's the perfect choice for the majority of materials used in this hobby.

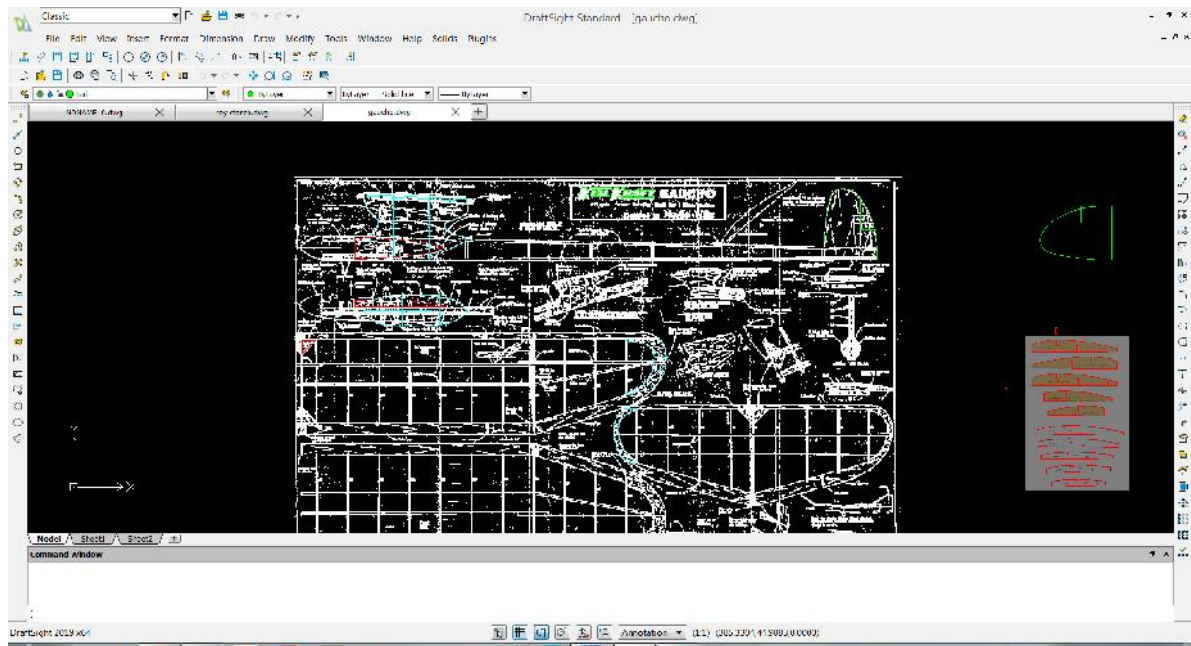
Laser cutting machines work on a Cartesian coordinate system which is something everyone will remember from doing geometry at school. This system relies on every point being calculated mathematically and translated to a grid and related to a reference point like the diagram below.



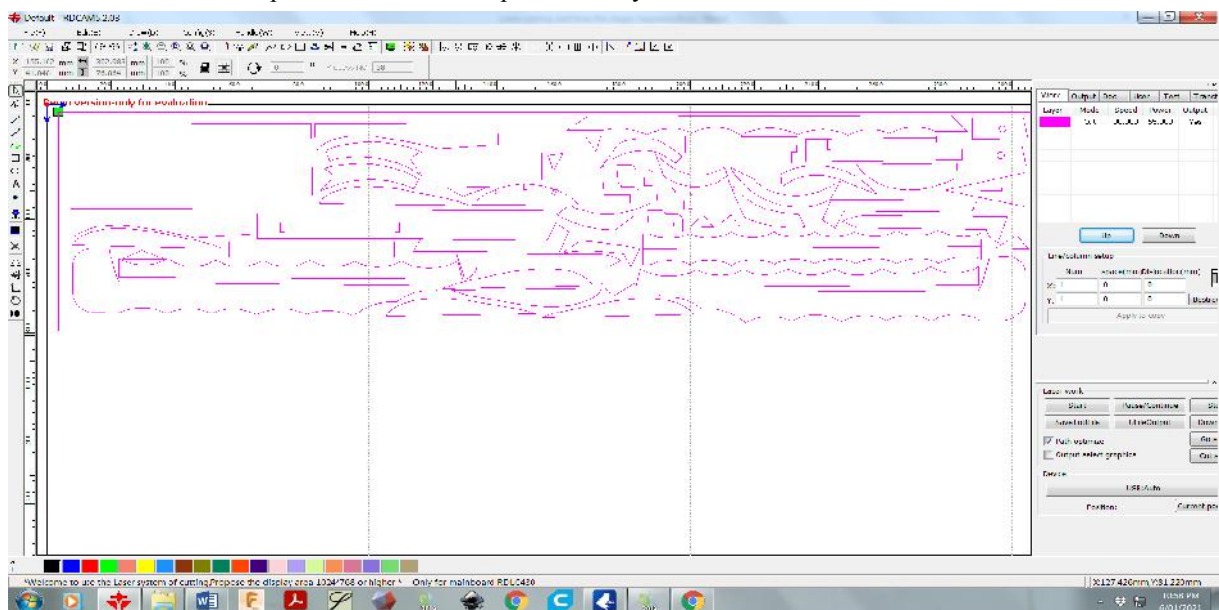
This is where CAD drawings assist with the item being designed.

CAD (Computer Aided Drafting) programs draw lines and arcs in vectors on a grid and stores these drawings on a file type like DXF or DWG. Why is this important when you have a BMP or PDF or any other type of picture file? The answer is picture files are made up of pixels and when you zoom in enough you will decrease quality and accuracy where the vector file will always be correct regardless of scale as its mathematically calculated and this will keep those circles in shape and crisp.

Once the items are drawn in the CAD program they can be saved and used in the machine software to be cut out. Not all machines require additional software to process the drawing as upper market programs include this function standard. The picture below shows the ribs, tail and pylon parts drawn up for Terrys new Gaucho.



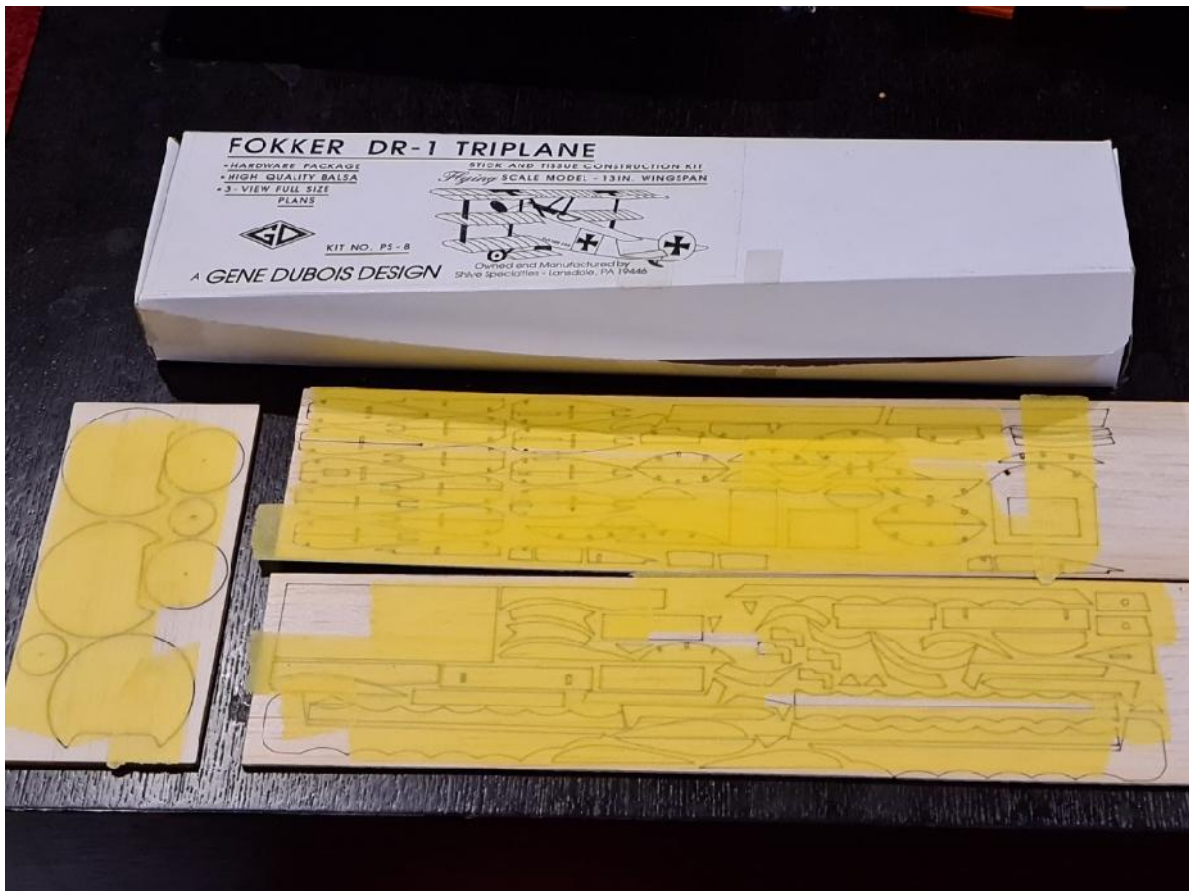
Once transferred to the laser cutting software, the items can be arranged within a box that are the dimensions of the piece of balsa to be used and machine parameters are added. These include how fast the laser head will travel in millimetres per min and the laser power level you desire to cut at.



The Machine used is a 50 Watt CO2 laser cutter with a 500mm x 300mm cutting table.



And the final picture is the finished product. It's taped together with low tac frog tape to keep all the parts together till assembly.





* NSWFFS Contest & Fixture Calendar 2021 *

Date	Event	Venue	Time	C/D
Dec 28 Jan 2	New Years Eve BBQ & Fun Fly No Comps. Just Fun Flying	W. Wyalong stay on the	Flying anytime Field Book in	If you want to go tell Roy
Jan 10	New Year Recovery Day. ½ hr walking Scramble & Scale Rally	Richmond	7.00am – 1.00pm	Aaron Booth
Jan 15	General Meeting	Dundas Sport	7:30pm	
Jan 17	Combined %	Richmond		Roy Summersby
Feb 7	Combined F1 G, H, J, P30 + Scale Fun Fly	Richmond	7:00am – 1:00pm	Peter Scott
Feb 21	State Champs P30 + Comb Vintage	Richmond	7.00 – 1.00pm	Gary Pope
Mar 7	State Champs Scramble + Combined % Control Line flying, BBQ Lunch	Richmond BYO Food	7.00am-1.00pm	Michael Towel
Mar19	General Meeting	Dundas Sport	7.30 pm	
Apr 9-15	AFFS Champs	Narrandera	See FFDU	
Apr 17-19	Southern Cross Cup 17 th . F1A, C & O/R. 18 th F1B & O/P 19th Reserve	W Wyalong	8.00am-1.00pm	Dave Thomas
May 2	E36 + Combined Vintage	Richmond		Aaron Booth
May 15-16	Veteran's Gathering	Muswellbrook		
May 21	General Meeting	Dundas Sport	7.30pm	
June 5-7	NSW State Champs F1A, B, C, O/Power, O / Rubber + Victorian States Champs for A, B, C	W. Wyalong A B Field	8.00am-1.00pm	Dave Thomas
June 20	Bowen comp + Scale Practice + E36	Richmond	7.00am-1.00pm	Roy Summersby
July 2-3-4	Scale Rally Weekend. Scale comp Sat 4th, Sun 5th ½ Hour scramble, Fun Fly C/L fly- ing & BBQ Lunch	Richmond Saturday BYO Food	7.00am till dark Trans Tasman	Phil Warren
July 7-14	1 st West Wyalong National Champs	W Wyalong		Nat's Committee
July 16	General Meeting	Dundas Sport	7.30 pm	
July 25	State Champs F1G,H,J (Combined)	Richmond	7.00am- 1.00pm	Bruce Hao
Aug 15	Scale Rally, P 30, Combined Vintage	Richmond	7:00am – 1:00pm	R. Summersby
Aug 27-29	Cowra Oily Hand Weekend	Cowra		
Sep 12	½ Hour Walking Scramble + Fun Fly B-B-Q Lunch	Richmond BYO Food	7:00am – 1:00pm	John Corby
Sep 17	Annual General Meeting	Dundas Sport	7:30 pm	
Sep 26	Combined % 5 flights	Richmond	7.00am - 1.00pm	Peter Scott
Oct 3	Combined % Multiple Entries	Hinton or Rich- mond	7:00am – 1:00pm	Gary Goodwin
Oct 22-24	Wings Over West Wyalong. All Disciplines RC, CL, FF, + FUN FLY Bowden comp ROG details to come 1/2 Hour Scramble (walking)	W. Wyalong A.B.Field	7.00am-Till Dark	Plenty of Room for ALL
Nov 14	Scale Rally +Fun Fly	Richmond	7:00am – 1:00pm	Peter Jackson
Nov 19	General meeting	Dundas Sport	7.30 pm	
Nov 26	Friday Xmas Party	Richmond	7.00am – 1.00pm	Terry & Lyn
Dec 5	½ Hour Scramble, Combined Vintage with SAMS & Fun Fly.	Richmond BBQ Xmas	7:00am – 1:00pm Lunch BYO	Aaron Booth FOOD