



THE VOICE OF CONTROL LINE AEROMODELLERS FROM AROUND AUSTRALIA

Number 281

Produced by the Victorian Control Line Advisory Committee



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PRODUCTION SPECIFICATIONS

Please send any submissions for publication by CD/memory storage device or use Email.

Contest results should be tab delimited, i.e. use a single tab between each column of results, if submitted by disk or email. This makes formatting much easier on the editor.



COMING EVENTS



VICTORIAN CONTROL LINE CONTEST CALENDAR 2022

DATE	EVENT	CLUB
Dec 11	Vintage A, Classic B, Classic FAI.	CLAMF
Dec 18	"Doug's Day" Vintage Stunt. Christmas Function.	KMAC
Dec 29-Jan 1	CLAMF Grand Prix	CLAMF

2023

Jan 29	All Australian Fly In.	KMAC
Feb 26	Little Models (.020 or .049 etc.)	KMAC
Mar 26	Aerobatics Clinic.	KMAC
Apr 7-10	Victorian 2023 State Championships (Easter weekend)	CLAMF & KMAC
Apr 30	All-sheet day (Let's see what you have been able to do with just some sheets of balsa/Coreflute and your imagination)	KMAC
May 28	George Aldrich Carnival (Noblers, Peacemakers, Flight Streaks etc.)	KMAC

Events will be flown in order of printing. Events in **Bold type** will be flown over hard surface.

CLAMF Frankston Flying Field, 103R Old Wells Rd, Seaford (Melway 97J10), GPS -38.086777,145.148009
10.00am start

Contact :- Secretary, H. Bailey (03) 5941 5978

Email :- clamf@ozemail.com.au

Web site :- <http://clamf.aerospots.net.au>

KMAC Stud Rd. Knoxfield

(opposite Caribbean Gardens) (Melway 72 K9) 10.00am start

Contact: President:- Reeve Marsh 0405 001 008

Email:- knoxmacvic@gmail.com

Web site :- <https://sites.google.com/view/knox-model-aircraft-club/home>

CLAG has monthly fly-ins at the Moe Race Track every first Sunday of the month.

Contact :- Reeve Marsh 0405 001 008

Send your articles for publication to Newsletter Editor

Harry Bailey.
3 Bailey Place
Pakenham 3810
Victoria
Email:-

hbbaily@optusnet.com.au



COMING EVENTS



C.L.A.S. CONTEST CALENDAR 2022

DATE	EVENT	CLUB
Nov 27	KMFC Christmas Party and Fun Fly.	KMFC.

This year, the NSW State Championships will be held as a split event and any official dates or notifications from CLAS will ALWAYS be placed on the CLAS Website.

*The **State Championships Aerobatics** events will be discussed at the next meeting of CLAS and members will be advised of dates and venues as soon as they have been decided upon.*

KMFC -	(Ku-ring-gai Model Flying Club) - St. Ives Showground, Mona Vale Rd, St. Ives.
SAT-	(Sydney Aeromodelling Team) - "Duck Pond", Ashford Road, Milperra.
SSME -	(Sydney Society of Model Engineers) - Model Park, Luddenham Road, Luddenham.
DOONSIDE-	Baseball diamond, Whalan Reserve.

2022 Clasi Calendar



10 Dec	Christmas Breakup, Vintage Combat and 35 Slow Combat
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It is so frustrating to be writing and sending messages like this...

The weather over the past week has been such that the council has still been unable to get machinery onto the field, and while Gary had mowed the main circle a week ago, it will now be a bit shaggy while the rest will probably be

knee high.

Further, the forecast for the week is for more rain, so prospects for getting any mowing in the next few days - minimal! And Sunday looks like one of the worst - rain and wind.

The plan had been for this month's event to be the Doug's Day Australian Vintage Stunt, but given all the above, we will need to postpone this - again. It's not fair to nice Vintage Stunt models to make them wrestle around in atrocious conditions.

The best approach would be to shuffle the schedule to hold Doug's Day as our December event (18th) along with the Christmas catch-up, and that will mean we will again have to push out the postponed State Championships aerobatics events. We'll consider options for these and issue updates as soon as we can.

A couple of us will be at the field on Sunday regardless (unless it is underwater!) - a general checkout of the situation and a coffee to warm up.

Regards,

Reeve Marsh.

On behalf of Knox Model Aircraft Club

Adelaide Aeromodellers Contest Calendar 2022

Date (s)	Event	Location
Tues Dec 13th	Christmas Dinner	Seven Stars Hotel
Sat Jan 14	Speed & Racing practice	AMA Monarto



2022 QLD MAAQ Combat State Championships



The Queensland Control Line State Championships for combat were held on the 29th and 30th of October. We had great weather with so many entries in all events.

Many thanks to Angela again for being CD in all events. Many thanks also to Peter Sternberg and Ray Sullivan for cooking the superb BBQ both days. It was amazing. Thanks also to Mark Dillon for doing the centre marshalling all weekend. Peter Wallace also did a great job modifying the shade shelter for the competition which had been damaged due to the recent floods earlier in the year. Still waiting on the council to come out and do an official repair.

Unfortunately 35 Slow Combat did not get run due to running out of time. It will be run at our Xmas party on 10th of December. Thank you everyone that helped cut judge and made this event enjoyable for all. Thank you for all the interstate competitors for making the trip up to QLD.

This is the first year we have made a perpetual Brian Burke Memorial Combat trophy which acts as a Champion of Champions trophy for the overall highest place getter. Congratulations to Robert Owen for winning the 1st year. We all know Open Combat was one of Brian's favourite combat events which we always make sure this event keeps running in his honour.



Vintage Combat Results. 10 Entries

- 1st Rob Owen
- 2nd Bob Phippen
- 3rd Trent McDermott
- 4th Marianne Stewart
- 5th Eric Nutter
- =6th Mark McDermott
- =6th Mick Comisky
- =6th Peter Laing
- =6th Darcy Drayton
- =6th Rick Justic



F2D Combat Results. 8 Entries

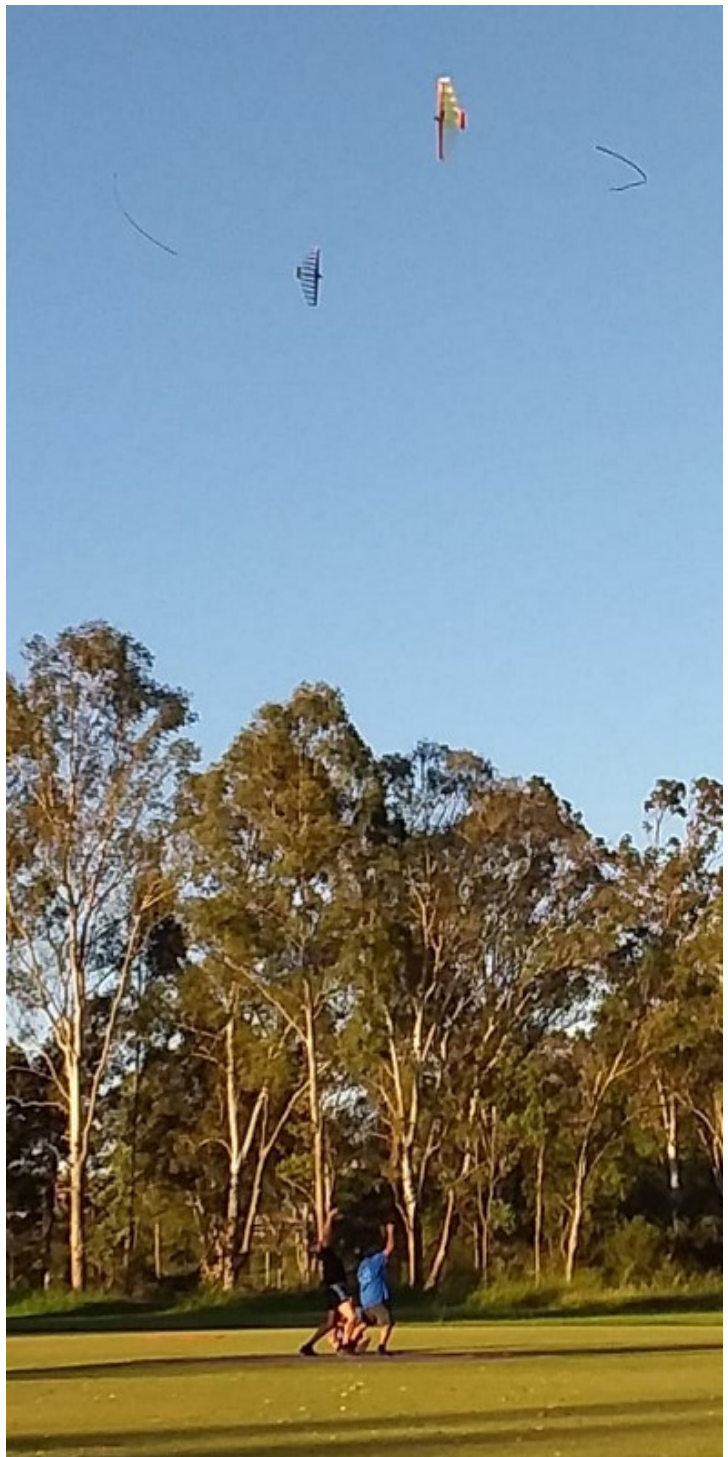
- 1st Paul Dillon
- 2nd Robert Owen
- 3rd Callum Dillon
- =4th Trent McDermott
- =4th Darcy Drayton
- =5th Mark McDermott
- =5th Marianne Stewart
- 6th Mick Comisky DQ

2.5 Slow Combat Results. 12 Entries

- 1st Rob Owen
- 2nd Callum Dillon
- 3rd Marianne Stewart
- =4th Mick Comisky
- =4th Eric Nutter
- =5th Bob Phippen
- =5th Rick Justic
- =6th Trent McDermott
- =6th Mark McDermott
- =7th Mark Dillon
- =7th Peter Wallace
- =7th Peter Laing

Open Combat Results. 7 Entries

- 1st Robert Owen
- 2nd Trent McDermott
- 3rd Mark McDermott
- 4th Eric Nutter
- =5th Mick Comisky
- =5th Peter Laing
- =5th Peter Wallace



*Results from
Trent McDermott
Pictures by
Marianne Stewart.*

POSTAL CLASSIC FAI Team Race (International)

Finally we call an end to Round 3 of the 2022 Postal events. We had 21 teams this time although there were some multi team involvement but our feeling is that it should maybe be based on the model and not the team makeup. Here are the results.

I will schedule some rounds for next year but it will be up to your involvement how long we keep doing it.

Thanks to all those that took part.

Norman Kirton.

Here are the final results:



Where teams have entries in other State competitions only their 3 fastest heat times will be taken						
An extra column has been added (Group A) containing only engines listed in the MAAA rules for UK and European rule entries						
COUNTRY	TEAM NAMES	HEAT 1	HEAT 2	HEAT 3	PLACING	Group A
Western Australia	R. Bellis/ Gannon	05:10.1	04:32.5	DNS	6	Rossi RIRE, Timepiece
	Letchford/Stivey	04:47.3	04:45.3	04:31.4	5	1 Rothwell R250, Orion
	B. Bellis/Thompson	04:24.4	4.40.1	69 laps	2	Nelson RIRE, Ex NZ "Mr Clean"
UK NATS	Waters/Burns	04:36.9			10	4 Rothwell R250
	Toogood/Lewis	05:10.6			16	5 Oliver Tiger
	Cannon/Pinkerton	06:21.4			22	9 Profi K12/15
UK BARTON	Fitzgerald/Broadhead	04:35.5	04:39.1		9	3 Group A
	Heaton/Eifflander	05:13.3	05:29.7		18	6 Group A
	Cannon/Pinkerton	06:00.0	84 laps		19	7 Group A
	Fry/Winstanley	07:10.5	36 laps		23	8 Group A
New Zealand	R Brown/B Robinson	04:43.1	04:17.8		1	Fora
	B Robinson/A Robinson	04:49.1	04:54.4		11	Fora
	A Hanson/ ???	06:52.8	72 laps		22	???
Frankston Victoria	A. Nugent/M. Ellins	04:28.7	DNS		3	KMD
	T. McDermott/M. McDermott	04:21.4	DNS		0	Profi/Lerner Jnr (not approved)
	K. Hunting/H. Bailey	04:36.3	04:30.8		4	Nelson
	T. Letchford/M. Sherburn	04:52.8	04:32.9		7	2 Rothwell R250
	M. Wilson/M. Poschkens	04:40.9	04:34.0		8	Parra
	R. Lacey/K. Baddock	05:09.7	04:50.7		12	Parra
	C. Ray/N. Baker	04:58.3	05:08.3		13	Nelson
	H. Bailey/K. Hunting	05:18.5	05:05.6		14	Nelson
	R. Owen/R. Justic	05:54.5	05:10.9		17	Nelson
	R. Justic/P. Laing	06:27.2	38 Laps		20	Nelson
Singapore	D. Su/R. Ong	05:09.0			15	Nelson FIRE

Hi. Can anyone help.

I have three engines in need of parts.

I have a Fuji .09 needing a spraybar & needle, I also have an OS PET .09 needing the same part, and finally I have a COX TD 09 which is missing the screw in venturi plus the spraybar block & needle.

All engines are in pretty good condition and could be useful to help newby members in time.

Please have a look in your spares, thank you,

Norm Kirton normk@inet.net.au

3-D printing of fuel tanks

This started out when I needed some vintage combat fuel tanks. I had soldered the tinfoil together ready for the piping and decided to 3-D print a jig to bend the piping to the correct size and position.

I took so long to produce a jig that when I got back to the tinfoil it had started to rust. It was then that I decided to print the tank, including the internal plumbing, in plastic.

No I'm not here to tell you how great 3-D printers are, but they do exist and these are my experiments with one. Here's a link to a guy that may convince you. <https://www.youtube.com/c/TeachingTech/videos>

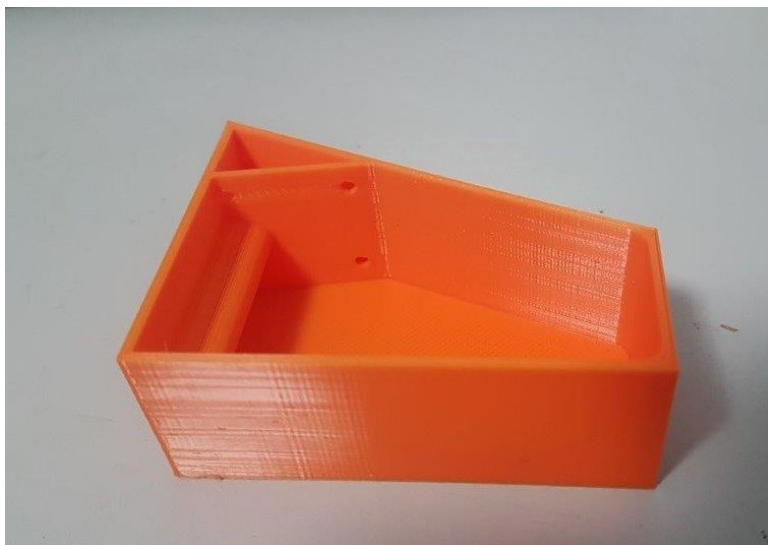
I'm still a beginner at 3-D printing and the most common plastic used is PLA. I soon discovered that this is not suitable for glow fuel.



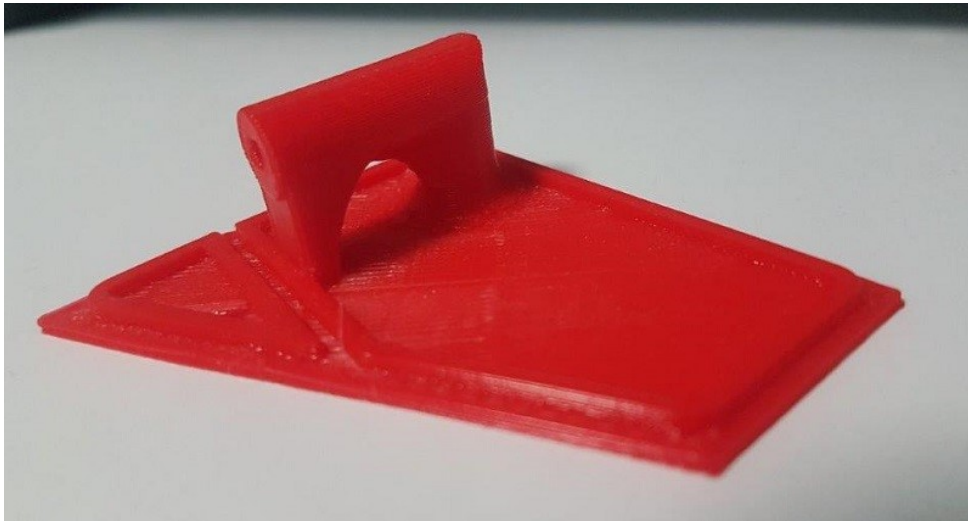
This is the result of glow fuel in the first PLA tank. The dark bits are the remains of finishing epoxy which I used in an attempt to seal the tank.

Some more testing was required and I discovered that PLA will handle diesel fuel. Further testing resulted in me discovering that slow set epoxy and medium cyano were not affected by diesel fuel either.

The search was on for a plastic suitable for glow fuel. This was PETG plastic. There may be others but this appears to work. Testing had shown that epoxy would not work inside a glow fuel tank.



The above pictures of the internal of the tank show the front feed and baffle, the finished tank, 90 degree bends of tubing glued in with cyano and small slow set epoxy seal for added measure.



This picture shows the uniflow pipe and top of the tank. It is a bit chunky but you have to consider how you print the object as you can't lay plastic on thin air.



This is the PETG tank for glow fuel which is a little harder to print than PLA.

In conclusion, what I have learnt so far is that:

- * The copper tubes should be drilled and fitted to the tank but not fixed.
- * Clean out any loose bits of plastic and glue the tank together with medium cyano.
- * The pipes can now be added, glued with medium cyano and sealed with epoxy.
- * When pressure testing the tank you may find some bubbles forming on the outside of the tank. I just smeared cyano on those areas of the tank.

I tested the tank in a profile model powered by Enya 15 and am pleased to report success. However, the model went rich inverted. Now you would normally raise the tank but well known stunt flyer Peter White suggested lowering the uniflow pipe in the tank. This was done easily with the drawing and a new tank was printed for the following week. Problem solved!! I also pressure tested the tank after 4 weeks of use and it had no leaks. The only problem remaining is that there is no leaning of the tank to indicate nearing the end of the run. Just a consistent run and then it stops. (It could be the engine)

These are early days but it's a good start.

I'll give the .stl files to the editor as you may know someone with a 3D printer that could use them.

Please let me know how you go.

Jim Stivey tarmac@iinet.net.au



A top weekend down at the **Munro Oily Hand event** in Gippsland Victoria. The weather was fine on Saturday where Control line, F/F and R/C were flown, Sunday unfortunately was un-flyable due to very high winds, many thanks to all who put on this great event. Here are a few pics.



Cheers,
Neilo Baker.



CLAMF Aerosports presents....

***2022 Control Line Air Racing,
Speed, Stunt & Combat "Grand Prix"***

Dec 29th 2022 – Jan 1st 2023 over 4 days

Location: 103R Old Wells Road Seaford VIC 3198

Plus Swap Meet and Social Activities...

Day	Venue	0900 - 1200	1300 - 1700
Thursday 29/12/22	CLAMF	Navy Carrier Combined Speed	Classic Stunt F2A
Friday 30/12/22	CLAMF	Vintage A T/R Goodyear	Vintage Combat Classic B T/R
Saturday 31/12/22	CLAMF	Classic FAI T/R F2A	F2C 1/2A Combat
Sunday 01/01/23	CLAMF	27 Goodyear F2C	Reserved for postponed events

FEDERATION AERONAUTIQUE INTERNATIONALE

CLAMF Aerosports

Entry \$10 per person / event \$50 maximum fly all events

New Years Eve 3 course banquet chez Chateau CLAMF \$20 per person pre paid via booking



Classic B team race, Goodyear team race and Half A Combat events will be classed as the postponed Vic State Championships and trophies will be presented accordingly.

For Sale

MOTORS FOR SALE.

Merco 49 #1 In good condition – with C/L venturi. \$80
Merco 49 #2 In good condition – with R/C carby. \$80
Enya 45 Model 6001. Bench run only. Comp is soft, ring may gummed up. Enya muffler. \$130
K&B Torpedo 45 Well used, reasonably good comp. \$70
HP 40 Gold Cup #2 Stunt timed, good power but slightly rough 2/4 transition. Powder coating in case is shabby. \$60
HP 40 #4 Appears to have had very little running. No stunt rework. Case fins have been lightly machined and recoated to original colour. \$70
HP 40 Silver Star #8 New when fitted with BRISTUNT p/l assembly. Needs more running to reach optimum. \$150
Fox 40 Tall case, big lugs with two extra holes – original holes elongated. Good internal condition – less than a year's irregular use. \$70
Raduga 7 Russian made with muffler and integral spinner. Some bench running, never flown. \$70
Glo Chief 29 Steel fins, case is slightly marked or pitted. Feels OK but I've never run it. \$70

MUFFLERS FOR SALE. Dec. 22.

OS Muffler #2. Strap mounting, no restrictors, outlet opened up to 12mm, two extra exhaust extensions. \$15.
#4. Two pairs of shells, no screws, one exhaust extn. Suit .15 or .19. \$10.
Fox Flow through, over/under mounting lugs. New. \$30.
HP Expansion chamber type. Has original powder coating. \$15.
Tongue muffler to fit Moki 51 or HP 40 with minimal work. \$10.

Used A-Just-O-Jig. In good condition. Fairly certain it's complete, definitely no major parts missing. \$75.

Contact Peter White mob: 0401 496 265 (Perth time is EAST less three hours)
or email: peterwhite1942@hotmail.com

MACCA'S MACHINING & MILLING SERVICES

Tank Valves
Filler Bottle Valves
Shaft Extensions
Engine Plates
Venturis and threaded inserts and general machining.
Phone 07 3288 9263
Mobile 0402 295 370

Nelson 36 for sale (New) \$480
Profi F2F engine in very good condition \$280.

Mark McDermott mark_mcd@bigpond.com
Phone 07 3288 9263
Mobile 0402 295 370

Taipan propellers in the following sizes available:

Flexible white nylon 7x6 \$2.20 each.
Small number of black (Glass Filled)
7x4 & 7x6 left @ \$2.50 each
9x6 Black GF \$3.00 each
10x4 Black GF \$3.50 each
10x6 Black GF \$3.50 each
+ letter post or parcel post rates depending on size, weight & quantity ordered.

Pure, first pressing Castor Oil:

Note: New price increase below due to a 20% price increase from my supplier effective 1/12/19

2.5 litre \$35 +3 kg satchel Auspost price
4.0 litre \$50 +5 kg satchel Auspost price
4.9 litre \$60 +5 kg satchel Auspost price

Pick up only 5lt castor oil price is \$60
Above prices inclusive of new container cost

Premixed Diesel fuel in new 500 ml & 1 let steel containers \$22 & \$35 respectively

I cannot post diesel fuel (i.e. dangerous goods) unless you can arrange with your own courier

PayPal "gift payments" accepted
Bank EFT deposits accepted.
Cash accepted.
PH Ken 0433 797 058 combtkid@hotmail.com

As some of you already know I have taken over the manufacturing of CL props for Supercool props.
Email me for any enquiries / orders
F2C , GY, Speed , Free Flight & other props available.
Contact Ian Thompson
iandthompson@msn.com mobile 0451085325
Be considerate with phone calls. I am in WA & there is a time difference from Eastern States.

U.S. Hard rock maple bearer wood, precision cut and machine sanded.
Cost \$4.50 each plus postage. All lengths 12"
Sizes: 3/8"x3/8"
3/8"x1/2"
1/2"x1/2"

Also, I now have a stock of 3/16" sq. and 1/4"sq rock maple spars.
All spars are precision sanded with 150 grit. \$4 each plus postage.

TCA Italian glow plugs in Australia.

I have for sale a large range of TCA glow plugs.

TCA supply Luca Grossi the current F2A European champion.

There are std type 1/4x32 thread, Nelson style tapered seat with flat coils and the "turbo style" tapered seat.

Italian made TCA Nelson type combat plugs arrived for those that might be interested, \$8 each plus postage.

email: ah Heath296@gmail.com

I can now produce wings and tailplanes that are shaped on a Computer Numerically Controlled (CNC) router and can be any planform and shaped with any section although I have my favourites. The finish and accuracy of these products has to be seen to be believed.

They have laminated leading edge and reinforced front panel on the outboard wing for catching.

Internal control grooves and bellcrank assembly are also part of the package. They are ready for glassing as supplied. A shut-off actuator can be supplied as part of bellcrank assembly if required.

I can also supply spruce for leading/trailing edge etc. cut to any section size.

I can be contacted via Facebook or

Mobile 0404205562

Ray Harvey

Speed pans for sale. 2cc size (\$25) and 21 size. (\$30)
Also small amount of Nelson type T/R pans. (\$25)
All pans in the "as cast" state. Not finished.
Andrew Nugent. andrew.n5@bigpond.com

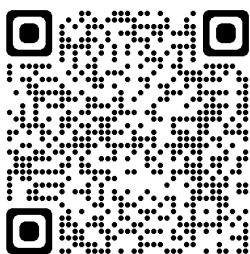
For Sale

- Super Tigre G15 FISE glow with muffler. Well used but in good running condition, in original box. \$100
- Super Tigre G21/40 FISE glow (ringed). Used but in very good running condition. ~~\$150~~ \$125
- OS Max 40FSR (ringed). Muffler and R/C carb. New in box. Only the box is a bit used looking. ~~\$275~~ \$225

Postage \$15

View photos here

https://www.dropbox.com/sh/jc9820k9w4mj3vc/AABpGOI3q_xnt9DgpijGtUSZa?dl=0



Graham Burgess

E: grahamandjenny@live.com.au

Ph: 0416 325266 (till 8:00pm)

Control line stunt engine.

Evolution 60NX
CL stunt engine.
New in box.
Modern ABC.

This is a factory stunt engine properly set for stunt with the addition of a top NVA. Kit of bits including head shim and tongue muffler included. Un-run so needs running-in.

I've been using another of these schnuerle 60 engines in an F2B stunt plane and learnt it has the right type of power of a bigger old bypass-ported 76. In reality it's like a big LA46 but with ball race crank, a full 60, weighs 12oz and fits between 36mm bearers. \$175 or good offer

Derek Pickard 0419 388 075

businessmedia@hotmail.com.au

BIG STUNTER. 65 inch "Epic" with Super Tigre 60. Pro-built by Ken Taylor. Good alignments. Flies good & turns good, very stable.

Excellent little use engine complete with muffler, tank, etc., Ready to fly. (This period big Nobler-like plane is eligible for classic stunt events and finished 3rd against NSW fliers in its last event.) \$195

Collect from Camberwell, VIC. Derek Pickard 0419 388 075



WANTED

Wanted

Taipan MK V diesel any condition also any parts.

Contact Wayne Wilson whyzedman@hotmail.com



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Vic

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