

THE VOICE OF CONTROL LINE AEROMODELLERS FROM AROUND AUSTRALIA

Number 196

Produced by the Victorian Control Line Advisory Committee



April 2015

INSIDE THIS ISSUE

Contest Calendars.

Notices.

South Australian State Championships
Results and Pictures.

Hunter Valley Championships.

Skin Hinges for Elevators.

For Sale and Wanted.

PRODUCTION SPECIFICATIONS

Please remember when submitting copy that if you have access to a PC, or suitable typewriter you can save me retyping by giving me your items pre typed, and please use a good black ribbon for best reproduction.

Best of all is to send a CD 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 2015

DATE	EVENT	CLUB
Apr 3-6	Victorian State Champs, events TBA	CLAMF/KMAC
Apr 11-19	68 th Australian National Championships	S.E. QLD
May 17	Warbird Stunt, Speed , Classic B T/R	CLAMF
May 24	Warbirds	KMAC
Jun 6-8	NSW State Championships, Grass Events	SYDNEY
Jun 14	Classic FAI , Vintage A, F2C/F2F , 1/2A Combat	CLAMF
Jun 28	Rat Race Invitation and Club Day	KMAC
Jul 12	Speed , Classic Stunt, Mini G/Y , Simple Rat	CLAMF
Jul 26	All Aussie Day and Vintage Combat	KMAC
Aug 9	Carrier, 27 Goodyear, Goodyear .	CLAMF
Sep 13	Speed , Vintage Combat, 2.5cc Rat Race	CLAMF
Oct 3-5	NSW State Champs, Hard Surface events	ALBURY
Oct 18	Coreflute Combat, F2B, F2F	CLAMF
Nov 8	Speed , Warbird Stunt, Combat (TBA)	CLAMF
Dec 13	Vintage A, Classic B, Classic FAI	CLAMF

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

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

Contact :- G. Wilson (03) 9786 8153,
H. Bailey (03) 9543 2259

Email :- clamf@ozemail.com.au

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

KMAC Stud Rd. Knoxfield.

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

Contact:- Peter Koch 0413222046 or

Steve Vallve 0409935358

Web site :- <https://sites.google.com/site/knoxmacv/>

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

Contact :-Treasurer. Alan Frost

Email:- afrost2@skymesh.com.au

Phone 03 52817350

Secretary. Graham Vibert

Phone 03 51346393

Newsletter Editor

Harry Bailey.
37 Thompson Street
Clayton 3168
Victoria
Email:-

hbbaily@optusnet.com.au



COMING EVENTS



C.L.A.S. CONTEST CALENDAR 2015

DATE	EVENT	CLUB
Apr 3-6	VMAA Victorian State Champs	***
Apr 11-19	MAAQ Queensland Nationals	***
Apr 26	F2B Aerobatics.	SSME
Apr 26	DGY, 1/2A Diesel GY, Burford racing and Diesel Speed.	KMFC
May 2-3	Veterans' Gathering.	MDMAS
May 9	Club Competition . (DGY, Stunt, Combat)	KMFC
May 17	Phantom, Vintage A and Diesel Goodyear.	SSME
May 29-Jun 1	AWA State Champs	Perth ***
May 31	Classic Stunt.	Doonside
Jun 6-8	NSW C/L State Champs CLAS. Whalan Reserve *** Qualifying event for F2B and F2D W/Ch.	
Jun 14	Club Competition.	KMFC
Jun 20-21	"Old Phartz and Friends" Vintage Weekend. At Coffs Harbour	KMFC
Jul 5	AGM	KMFC
Jul 12	F2B Aerobatics	Doonside
Jul 19	Club Competition.	KMFC
Aug 2	Combined Speed.	SSME
Aug 2	F2B Aerobatics.	KMFC
Aug 16	Classic Stunt.	SAT
Aug 16	Diesel Goodyear, 1/2A DGY, Burford Racing & Diesel Speed.	KMFC
Sep 5-6	MAAQ Queensland State Champs F2D CLASSI Ipswich ***	
Sep 19-20	MAAQ Queensland F2B	Rockhampton QLD ***
Sep 20	F2B Aerobatics.	SSME
Oct 3-5	CLAS NSW C/L State Championships F2A and F2C C.L.A.S. at Twin Cities. TBC.	***
Oct 11	Gordon Burford Day.	KMFC
Oct 18	F2B Aerobatics.	SAT
Oct 25	Club Competition	KMFC
Oct 30-Nov 1	MAAQ Queensland F2A and F2C Maryborough QLD.	***
Oct 30-Nov 1	F2B , Classic and Vintage Stunt Doonside (West Wyalong NSWFFS field) TBC	
Nov 22	Vintage T/R and Diesel Goodyear.	KMFC
Nov 22	Classic Stunt.	NACA at Gateshead
Nov 29	KMFC Christmas Party and Fun Fly.	KMFC.
Dec 6	F2B Aerobatics.	Doonside.

Events marked *** are qualifying rounds for the 2016 C/L World Championships.

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.

Western Australia Contest Calendar 2015

Date	Event	Site
May 29	F2A, Combined Speed, Classic-B Team race	CLAW
May 30	F2C Team Race. (Rnd 1 & 2) Vintage A Team Race.	CLAW
May 31	F2F Team Race (3 rounds) F2C Team Race (Rnd 3,4 & final)	CLAW
Jun 1	F2D Combat , Classic FAI Team Race	CLAW

Note:- F2A, F2C & F2D are to be W/C 2016 qualifying events.

2015 Queensland Contest Calendar

All MAAA flyers welcome.

April 11-19,
68TH QUEENSLAND NATIONALS
Location: VARIOUS LOCATIONS IN SOUTH EAST
QUEENSLAND

SUBSCRIPTION APPLICATION

ARE YOU BORROWING?

If you have just finished reading somebody else's copy of Australian Control Line Newsletter, why not get in now and order your own copy?

For Australia and New Zealand the cost is \$25 Aus and other countries \$35Aus.

For this amount you will receive eleven issues of this newsletter and be up to date on Control Line both in Australia and elsewhere.

There is also an additional option to have it sent to you by email if you desire.

Annual email only subscriptions are \$15 per year.

You can order from:

G.WILSON

P.O. BOX 298

SEAFORD

VICTORIA 3198 AUSTRALIA

NAME _____

ADDRESS _____

POSTCODE _____

TELEPHONE _____

EMAIL _____

The views and opinions expressed in ACLN do not necessarily reflect those of the Editor or Committees of Clubs or of the members of the Club represented in ACLN but are those of the respective authors.

Any comments, queries or complaints with respect to any article in this publication should be addressed to the author of the article.

The Editor and Committee of Clubs accept no responsibility or liability for any loss or damage incurred or suffered by anyone as a result of this publication or in reliance upon or as a result of acting upon anything contained in this publication.

2015 Victorian Control Line State Championships information.

Entries to be in by 2nd April 2015 via entry form or phoned through to 03 97868153.

You can email form to G. Wilson at vmaareg@ozemail.com.au

Fields can be opened by arrangement, all racing practice to be done Friday morning 3rd April, speed practice when circle vacant.

Trophies for completed events to be presented at Keysborough Hotel on 5th April.

Please advise numbers attending hotel so booking arrangements can be made.

Food & refreshments will be available at fields as follows:-

Friday 3rd April CLAMF – all day

Saturday 4th April KMAC – all day

CLAMF – all day

Sunday 5th April KMAC – 07.30 breakfast, then all day.

Monday 6th April CLAMF – all day

FAI events are the main priority A/C qualifying for World Championships.

Support events to run as time permits.

1/2A combat lines, **no 0.012" stainless lines allowed**, 42' line length, 1 model per bout.



Taipan Reproduction Engines

Adelaide Aeromotive Pty. Ltd. A.B.N. 115 387 061
aamotive.com > engines > single cylinder

Rebores and Repairs to most **Taipan** and all **glochief** engines.
aamotive.com > repairs

Email us for a free quotation! aamotive@gmail.com

South Australian State Championships

The contest was flown during Adelaide Cup weekend of March 7th-9th at the Monarto field, which is a short distance from Murray Bridge.

As this was the first of the qualifying events for F2 selection for the Australian team to compete at the Perth C/L World Championships next year, entry numbers were at an increased level for F2C and F2B and Queensland was the only State not to have a representative present. Graham Christie and Rod Brown came from New Zealand and gained plenty of racing experience and might even have attained a New Zealand F2C race record during the weekend.

For various reasons not all events were flown consequently there are no results for Vintage and Half A Combat or Classic B and Vintage A team Race.

Speed and most of the racing events took place on the concrete circle at the lower side of the club field whilst the Aerobatics were flown on the smooth grass area at the top of the field that is normally used by the R/C flyers. One round of F2B was flown on the concrete circle.

Results.

F2F

Place	Team	Heat 1	Heat 2	Final
1st	Wilson/Walton	4:06.44,	DNS,	8:15.60
2nd	Leknys/Leknys	4:19.93,	DNS,	8:35.03
3rd	Christie/Brown	3:57.45,	DNS,	8:58.78
4th	Morris/Dislers	4:38.17,	4:52.09	
5th	Hunting/Bailey	DNF 31,	5:02.18	



F2C

Place	Team	Rd 1	Rd 2	Rd 3	Rd 4	Final
1st	Wilson/Poschkens	3:27.38,	4:40.57,	3:22.81,	3:20.40,	6:37.97
2nd	Fitzgerald/Ellins	4:10.53,	3:21.20,	3:14.38,	DNS,	7:02.59
3rd	Leknys/Reichardt	3:39.65,	3:25.31,	3:28.95,	3:19.95,	7:14.93
4th	Potter/Harvey	DNF 74,	3:23.21,	3:28.69,	DNF 49 -	
5th	Christie/Brown	3:31.79,	3:39.84,	3:25.39,	3:30.14	
6th	Leknys/Leknys	3:42.85,	3:51.74,	4:02.03,	3:39.23	
7th	Hunting/Lacey	DNF 0,	3:41.26,	DNF 37,	DISQ 39	

F2C was a very good contest without any serious breakages in which all races were flown as three ups thanks to the willingness of teams to fill the third segment when required.

In the final race, Wilson/Poschkens had good economy range and managed to cut out a pit stop. Their time of 6:37.97 will be a new Australian record using the 3mm venturi rule.

Classic FAI T/R

1st	Wilson/Poschkens	8:05.96
2nd	Justic/Lacey	9:07.92
3rd	Bailey/Hunting	9:30.07

With only three entrants for Classic FAI it was decided to go straight into a final race. Murray's model had the best airspeed and Mark's pitting was up to his usual F2C standard so they won the race by a comfortable margin.

27 Diesel Goodyear

1st	Wilson/Justic	11:00.15
2nd	Morris/Dislers	11:45.84
3rd	Bailey/Hunting	11:46.01

F2A		Rd 1	Rd 2	Rd 3	Rd 4	km/h
1st	Murray Wilson	12.917,	13.635,	12.633,	12.480	288.46
2nd	Richard Justic	13.705,	13.183			273.14
3rd	Maris Dislers	13.840,	13.817,	13.880		260.68



Murray Wilson progressively improved his F2A times.

Grass Rat		Rd1	Final
1st	Wilson/Wilson	100,	182
2nd	Bainbridge/Justic	100,	165
3rd	Bailey/Poschkens	96	47 laps.

Combined Speed

1st	Richard Justic	ACT	Class III	97.53%
2nd	Maris Dislers	SA	1/2A Proto	96.44%
	Harry Bailey	VIC	1/2 A Proto	91.15%
	Ken Hunting	VIC	1/2 A Proto	
	Dave Shackelford	VIC	1/2 A Proto	

Using an OS 15 FP and a constant whipping action in Grass Rat race, Murray and Graeme worked hard to compete against some better class engines of the other models. The prop driver on the Bailey/Poschkens Nelson started to bind against the bearing in the final so that left Bainbridge/Justic to fly out the 10 minute race to gain second place.

Richard only flew one flight of his yellow mono-line beast but it was good enough to get close to the class record.



2015 MASA Control Line State Championships Aerobatics Report

Thanks to Judges: F2B Expert; Jeff Fry and Peter Koch,
F2B Advanced; Frank Battam and Russell Bond.
Vintage Stunt; Peter Anglberger and Jeff Prosser
Classic Stunt; Peter Anglberger and Jeff Prosser

Thanks also to CDs; Peter Anglberger and Russell Bond, Tabulation Steve Vallve and Ian Read,
Pull Test and 'Pit Bosses'; Gary Schrader, John Barbara and Mal Dyer

<u>F2B Expert</u>	R1	R2	R3	Score (Ave Best 2)	Model / Motor
Joe Parisi	906.74	938.25	989.25	963.75	Blackjack / Electric
Murray Howell	894.5	917.25	969.5	943.63	Shark / Retro 60
Russell Bond	866.25	919.75	963.25	941.5	Bandalero / Electric
Frank Battam	751.25	725.5	775.5	763.88	Yak55 / Retro 76
Mark Ellins	693.75	707.7	808.75	758.23	Classic 2 / Retro 76
Peter Anglberger	697.75	754.25	743	748.63	Classic / Electric
Doug Grinham	659	722	744.75	733.38	Starcraft/ Electric



Joe Parisi

This was the premier aerobatics event of the weekend with 3 interstate entrants vying with locals in the first round of the 2016 World. The top 3 flyers were in a league of their own compared to the rest of the field especially in Round 3 which was flown on the hard circle. Conditions for both F2B skill levels were good except Monday morning when light showers affected Advanced. Joe Parisi was a deserving winner of the Brian Horrocks Memorial F2B Cup. A miniature version was presented to him to avoid a considerable airline excess baggage bill as it is a most imposing trophy.

<u>F2B Advanced</u>	R1	R2	R3	Score (Ave Best 2)	Model / Motor
Jeff Prosser	664	695	640.6	679.5	Legacy / Elect.
Alan Roadknight	636.5	676.3	511.5	656.38	Firecracker / Elect
Jeff Fry	580.5	460	582.25	581.38	OD / Elect
Greg Roadknight	559.75	557.75	558	558.88	Prowler / LA46
John Barbara	241.5	319	446.25	382.63	Tutor II / LA46

Advanced F2B had its shares of highs and lows. One high was John Barbara flew his first ever complete F2B patterns in a competition. Before the event he had not ever attempted an hourglass. Thanks to some coaching and encouragement from other flyers John got through the patterns and improved as the event progressed, so well done John. One very low point was when Alan Roadknight just brushed the concrete during outside loops in Round 3 with his beautiful Brian Eather built electric Firecracker. This impressive, very light model was badly but not irreparably damaged. Hopefully it will take to the air again soon. Until the mishap Alan and Jeff Prosser were closely contesting first place.

<u>Classic Stunt</u>	R1	R2	Final (Best R1/ R2)	Model / Motor
P. Koch	1093.5	1217	1217	Larrakin Mk 3 / Enya 61
A. Roadknight	852	943	943	Smoothie / OS Max 35S
J. Fry	867.5	850.5	867.5	Squaw / OS Max 35S
G. Roadknight	640.5	817.5	817.5	Nobler / Enya 45

Classic Stunt was flown after the lunch break on Saturday. Conditions were breezy but all entrants completed two rounds without mishap. Peter Koch top scored in both rounds by a large margin. His beautifully built and finished Brian Horrocks designed Larrakin Mark 3 was a pleasure to watch. All other entrants showed promise but could not match the Larrakin's slow precise patterns.

<u>Vintage Stunt</u>	R1	R2	Static	Final (St+Best R1/ R2)	Model / Motor
M. Dislers	269.5	291.5	123	414.5	Wombat / Oliver Mk4
G. Roadknight	288	DNF	75	363	Nobler / Enya 45
A. Roadknight	286	295	32	327	Smoothie / Max 35S
J. Fry	157	DNF	63	200.5	Squaw / Max 35S
J. Barbara	DNF	DNF	68	68	FliteStreak OS LA 25

Conditions for Vintage stunt on Sunday afternoon were challenging with a stiff breeze interspersed with frequent thermals. Maris Dislers coaxed his venerable Wombat through the pattern well, however the model struggled with the last part of the pattern. Greg Roadknight's Nobler handled the conditions well as did brother Alan's Smoothie, who, had he documentation, would have placed higher. Jeff Fry unfortunately discovered how much his model, a Squaw, can wind up in loops in a stiff breeze. The resulting crash put him out of the running which was shame as both model and pilot had been performing well up to that point.

Report by Peter Anglberger



A Roadnight's electric "Firecracker"



F2C finalists:
Fitzgerald/Ellins, Wilson/Poschkens, Reichardt/Leknys.



Classic and Vintage models waiting
their turn.



Doug Grinham's electric "Starcraft"



Teams from the Classic FAI final.



27 Goodyear teams.



Graeme Christie, Rob Fitzgerald and Ryan Leknys at the start
of a F2C race.

Pictures from the
South Australian
State Championships.

Maris Dislers with his 1/2
A Proto Speed model.



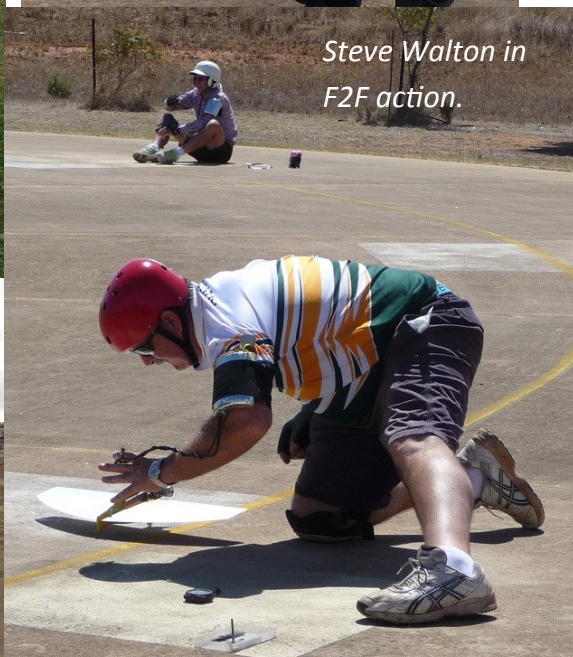
Ric Justic
fuels up for a
F2A flight.



Murray Howell's
"Shark"



Steve Walton in
F2F action.



Mark Ellins fly's F2B over the concrete circle.



Joe Parisi's winning
F2B model.



New Zealander Rod
Brown warms up the
F2F engine.



Skin Hinges for Elevators on CL Racing & Speed Models.

By David Shackelford

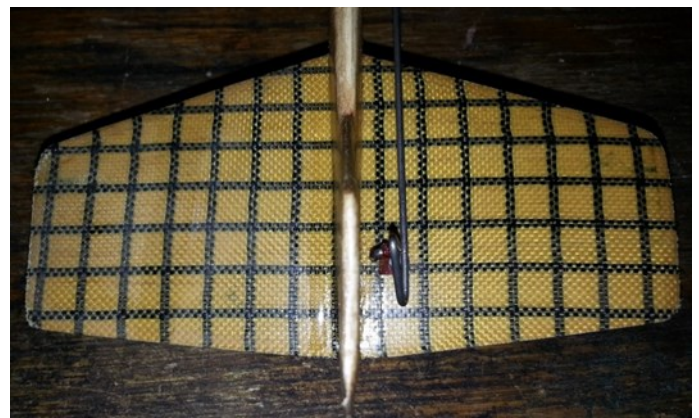
At the SA State Champs in early March, a couple of people commented that they'd not previously seen the method that I use to hinge the elevator on my 1/2A Proto/Mini-Goodyear model.

In my case, I vacuum bagged the entire tail plane with fiberglass on the underside, and a cross-weave Kevlar/carbon matt on the top surface. To hinge the elevator, I simply cut through the glass and balsa on the underside, leaving the Kevlar on the top surface intact at the front edge of the elevator. You probably don't even need to use the Kevlar per se on the top surface (i.e. you could use glass if you like), although I do think it's probably less likely to split over time than alternative materials.

Voila - It's about as simple as it gets.

Cheers, DS

P.S. I take no credit for this approach. I started using it on my R/C pylon models (for elevators, ailerons and rudders) based on information on the Interwebs.



wightsmodelaircraft.com.au

Over 300 products in stock.

Wights
Model
Aircraft

New
Website

New
Shopping
Cart



Control Line - Accessories; Bellcranks; Connectors & Leadouts; Covering Material; Engines; Flying Lines;
- Fuel Items; Fuel Tanks; Glow Plugs; Handles; Kits; Propellers; Rib Sets;
- Timers & Programmers; Wheels & Landing Gear.

Free Flight - Timers & Programmers.

Cox Engines - Surestart & Bee Engines; Glow Heads; Tanks; Gaskets; Props; Mounts; Parts & Accessories.

2015 Hunter Valley Championships.

A big thank you to everyone that turned up for the Hunter Valley Championships.

We had limited numbers this year due to the South Australian State Champs being on the same weekend.

Attendance was still good and it was a pleasure to have Richard Evans there from the UK.

My apologies to the F2B and Classic people for not having the correct paper work available as I really had no idea what was required for it.

People started arriving on Friday about lunch time and by Friday night there was a respectable turnout of campers.

6pm arrived and the smell of campfires and people cooking filled the air and we were treated to a full moon rise on the eastern side of the field which set the scene for a perfect weekend.

Some refreshments were consumed and those present sat around and talked and just soaked in the ambiance that is the HVC.

Saturday morning arrived crisp and clear and some FF modellers took advantage of the still air to putter around and enjoy the moment.

10 am arrived and the competitions got underway with **Diesel Goodyear** first. Times for this speed restricted event saw that quite a lot of people had done their homework and 90% of models were travelling in the 27.?? time bracket. This only left the pilots to get the model to the mechanic accurately and for the mechanics to make a quick and successful pit stop to get the models in the air again.

Warren Leadbeater had Tom Linwood flying for him and for the second year in a row put down the fastest times in the heats and in the final.

It was good to see Richard Evans flying for Steve Rothwell which just proves that he is multi talented. It was also good to see Modellers come from Canberra and Bowral to participate in the events.

Vintage A nearly didn't run due to lack of entries but eventually we got it underway.

After this event the day was open to free flying of what ever you wanted.

There should have been a Twilight Scramble but due to the wind it was cancelled.

By 6pm the field was again host to the amazing smell of cooked campfire meals and laughter and conversation from those that were camping. A group of Kangaroos settled in the top paddock for an evening meal and the large moon once again rose to provide a moody light to the whole site.

Sunday morning cracked open and after a small sleep in, FF modellers once again took to the skies and there was a very good flying session had by all.

Competition started about 10am again and saw slow combat models fill the air. There was some interesting flying that captured the true essence of the HVC with Humphrey deciding that if he couldn't "out fly" his opponents he would out run them. This saw Humphrey running around the perimeter of the circle leaving his opponents wondering where he had got to. Everyone on the outside of the circle enjoyed the antics.

Humphrey then provided us with a first. His model was attacked by Richard Evans whose prop became entangled in the streamer string disabling the engine but securing it to Humphreys model. Humphrey then towed Richard around the circle for about 15 laps while everyone laughed and took photos. Humphrey then did a loop which saw both models hit the ground but Humphreys model kept on running as if waiting for someone just to release it so it climb back into the air again.

Vintage Combat was up next and this was my turn to shine. I haven't flown combat for 30 years but I wanted to fly against Richard Evans just so that I could say I had. The draw was in my favour and I got my wish.

I lasted 39 seconds against the master before I put my Dominator into the ground destroying it and the motor.

It was the best 39 seconds of my weekend.

Those that had to leave did so by about 4pm and that left 4 couples in their Caravans to enjoy a peaceful evening of drinks and snacks, light music and chatter.

This was the best HVC we have had in a long time as far as the weather goes and was enjoyed by all.

Thank you to everyone that attended.

Mark Godfrey



Diesel Goodyear

1. W. Leadbeatter / T. Linwood	5:10	4:57	10:17
2. R. Owen / S. Owen	5:13	5:48	10:44
3. D. Bailey / J. Goodwin	5:29	6:18	13:46
4. W. Bolliger / B. Hoggan	6:35	5:30	
5. A. Linwood / R. Summersby	5:34	5:31	
6. S. Rothwell / R. Evans	5:37	5:32	
7. R. Fisher / J. McNair	6:04	5:47	
8. B. Smith / J. Walker	DNF	7:07	



Vintage A

1. D. Bailey / B. Hoggan
2. A. Linwood / R. Summersby
3. P. Poole / B. Smith

Slow Combat

1. R. Evans	W	W	W	L	W
2. R. Fisher	L	W	W	W	L
3. P. Poole	B	L	W	L	
4. W. Lloyd	W	L	L		
5. J. McNair	L	B	L		



Vintage Combat

1. W. Leadbeatter	L	W	W	W
2. M. Comiskey	W	-	W	L
3. T. Linwood	W	-	L	W
4. R. Evans	W	-	L	L
5. R. Fisher	L	L		
6. M. Godfrey	L (retired)			



Hunter Valley Champs results and pictures.

F2B

1st	Reg Towell	1085
2nd	Paul Allen	1023
3rd	Robert Graham	907
4th	Steve Bakac	898
5th	Don Keyssecker	859
6th	Adam Pogue	845
7th	Geoff Van Kempen	840.5



For Sale

ANDREW'S PANS.

.21 size speed pans (by request no stock at this time), Nelson style T/R pans and a few 2cc pans. Also available a new T/R pan. Julian Reichardt has hand carved a wooden replica/pattern of the pan he and Hutton Oddy used back in the 70's. This will be suitable for Classic FAI T/R. He has also sent me a copy of their T/R plan called a FART. (I didn't name it!!) All pans \$25 in the "as cast state" and are cast in AA601 casting Alloy.



Reichardt/Oddy pan.

Also available to order, prop nuts and shaft extensions, carbies for most engines, and vintage T/R type tank and bottle valves. Available now the following full size plans, : Turtle, FART, Sapa-volov, Timepiece, Picus, Dimple Dumpling, Past, Arrow. All \$4 which includes postage in Australia.

Regards,

Andrew Nugent.

andrew.n5@bigpond.com

PH 9551 1884.

MACCA'S MACHINING & MILLING SERVICES

Tank Valves

Filler Bottle Valves

Shaft Extensions

Engine Plates

Venturies and threaded inserts and general machining.

Phone 07 3288 9263

Mobile 0402 295 370

A.C.L.N. ADVERTISING

For the newer readers, we point out that "private" (personal) ads are free to subscribers, and "commercial" ads are \$20 per quarter page, or \$5 for business card size. Commercial Advertisers can receive a free business card size ad for submitting original articles of interest to A.C.L.N. readers.

Copy or artwork for ads should be sent to the editor, cheques to the treasurer (G Wilson P.O. Box 298 Seaford, Vic. 3198) If you want to save a stamp, I can forward on any cheques sent with ads, but please make them payable to "Control Line Advisory Committee"

U.S. Hard rock maple bearer wood, precision cut and machine sanded.

Cost \$4 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.

email: atheath14@australia.edu

Castor Oil. First pressing/degummed. \$45 for 5 litres including container.

Postage based on 6 kg package sent using regular mail to your postcode from 3018

8x4 & 8x6 Taipan white flexible nylon & black GF nylon propellers **have all been sold.**

7x4 & 7x6 Taipan White flexible nylon & Black Glass Filled are AU \$2.20 each plus postage cost.

(I can fit 10 of the 7 inch diameter props in a large letter for \$2.50 post Australia wide)

Black, glass filled nylon 9x4, 9x6 (\$3 ea) 10x4, 10x6 & 11x7 (\$3.20 ea) Taipan propellers available + parcel post postage

Contact:- combtkid@hotmail.com

Bank deposit (EFT), Australia Post money orders, Cash & PayPal (+3.5% fee) payments accepted.

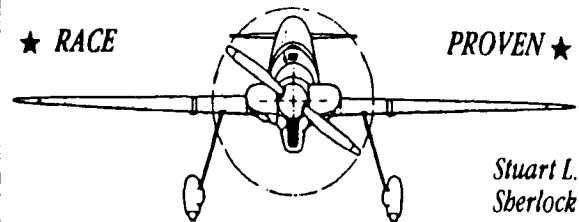
SUPERCool RACING PROPELLERS

42 Hepburn Way, Balqa, 6061 W.A. Australia

Email:- props@iinet.net.au www.supercoolprops.com

★ RACE

★ PROVEN ★



Stuart L.
Sberlock

★ Minimum induced loss computer designed propellers

★ Advanced technology precision mouldings

K43141-26

F2C11 6.4 X 6.2

F2C12 6.4 X 6.3

F2C13 6.4 X 6.4

F2C14 6.4 X 6.5

Supercool

First in Racing

F2C11 to F2C14 now with Suzuki low Re, high Mach airfoils

AUSTRALIAN CONTROL LINE NEWS

If undeliverable return to:-

G. WILSON

P. O. BOX 298

SEAFORD VIC 3198

SURFACE

MAIL



Christian Traders

Supplying quality products to the model building community



Perma-Grit Tools
Tungsten Carbide Abrasives
Perma-Grit Tools® Australia



DELUXE
Materials

World Class adhesives
and water wash up
glues and resins.



**OUR
NEWEST
PRODUCT**

**EXTREME GLARE
SUNGLASSES**



BECC
model
accessories

Huge range of Decals



Glo Drivers



A REVOLUTION in Fuel Delivery!

RotoFlow
Fuel System

no clunks!



RCS
Turbo Mufflers



**Cline Fuel
Regulators**



Flexible Exhaust Kits

SEE OUR ACTION PACKED WEBSITE www.christiantraders.com.au

Call Christian Traders Tel: (02) 6556 5192 Fax: (02) 6556 5236 Obadiah Lodge 20190 Pacific Highway Coralville NSW 2443

Printed by Minuteman Press

3/14-16 Hartnett Drive

Seaford, VIC 3198

Phone: 03 9773 5586