
**THE VOICE OF CONTROL LINE
AEROMODELLERS FROM
AROUND AUSTRALIA**

Number 292

Produced by the Victorian Control Line Advisory Committee



December 2023
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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 2023

DATE	EVENT	CLUB
Dec 10	Vintage A, Classic B, Classic FAI.	CLAMF
Dec 17	KMAC Christmas function.	KMAC

2024

Jan 28	All-Aussie fly-in	KMAC
Feb 25	Little Models and All-Sheet creations.	KMAC
Mar 29-Apr 1	Victorian 2024 State Championships (Easter weekend)	CLAMF, KMAC
Apr 28	Throttles etc.	KMAC
May 26	American designs.	KMAC
Jun 30	Unconventional models.	KMAC
Jul 28	Warbirds and KMAC AGM	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.aerosports.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



COMING
EVENTS



C.L.A.S. CONTEST CALENDAR 2023

DATE	EVENT	CLUB
Dec 3	F2B Aerobatics.	Doonside.
Dec 28-Jan 4	MAAA 73rd Nationals.	West Wyalong.
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.	
DOONSID-	Baseball diamond, Whalan Reserve.	

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5655

POSTAL CLASSIC FAI (International)

OK, finally, after clarification of their Classic A rules I am able to publish the final results for Round 3 of the 2023 year. Congratulations to those who put the effort in and many thanks to everyone sending in their results. Lets see if we can't get even more competitors next year.

Norm Kirton.

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	Engine
Western Australia	Letchford/Stivey	04:40.23	04:36.50		9	3	Rothwell R250/Orion
	Fry/Kirton	05:42.74	04:38.06		11	5	Oliver Tiger/ OD 1965 Nats winning copy
	B Bellis/Gannon	DNS	DNS				Rothwell R250
New Zealand	R Bolton	04:17.05			2		KMD
	R Brown	04:43.98			13		FORA JUNIOR
	B Robinson	04:52.98			14		FORA JUNIOR
	R. Brown (SOLO) +10 secs	04:28.25	04:26.75		4		
	D. Robinson	05:08.38	05:12.31		16	6	Oliver Tiger MKIII
	B. Robinson	05:16.18	05:13.44		17	7	PARRA T3
	S. Hanson	05:50.59	05:25.00		18	8	Oliver Tiger MKIII
UK	Cannon/Pinkerton	05:31.50	DNS		20	10	Ridley Oliver Tiger
	Ross/Court	06:21.40	36 laps		22	11	Ridley Oliver Tiger
	Fitzgerald/Haywood	04:44.30	04:37.70		10	4	Ridley Oliver Tiger
	Toogood/Lewis	05:26.00	DNS		19	9	Ridley Oliver Tiger
	Heaton/Broadhead	DNS	DNS		24	13	Ridley Oliver Tiger
	Murro/McAlpine	26laps	DNS		23	12	Ridley Oliver Tiger
QLD	Justic/Owen	05:19.37	04:39.14		12		Nelson RIRE
	T McDermott/M McDermott	04:13.31	DNS		1		Nelson
	H Bailey/R Middleton	07:21.75	04:56.91		15		Parra
	M Wilson/P Laing	06:56.62	06:17.2		21		Nelson
NSW	Bailey/Hunting	04:59.65	04:35.63		8		Nelson
	Nugent/Ellins	04:32.64	04:26.69		3	1	Rothwell R250
	Cameron/Leknys	04:28.34	5 laps		5	2	Taipan Special
	Wilson/ Poshkens	04:28.91	04:45.84		6		PARRA 15
	Justic/Owen	04:48.73	04:29.29		7		Nelson

Send your articles for publication to Newsletter Editor

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KMD DEVELOPMENT PROJECT.

Hi all, its been no secret that in the last couple of years I have been developing the KMD R/V engine from eastern Europe for use in Classic FAI Team race.

I was lucky to get 1 new reproduction engine to work on, but sadly there is no news as to whether the production of this rear induction engine will be available again. The front induction version is still available I believe.

During this year I was able to purchase 2 rebuilt KMD's with new bearings and new AAC piston and liner sets. The original version had a steel P/L. These engines are for Club members here in Melbourne. Another member already had an engine that I have been modernising.

Before delivery to the owners I have been installing my Nelson style backplate and rotor setup. I made up a casting master and had some cast to make the job easier (I think). I have done 4 at this time. The



Sand cast backplate.

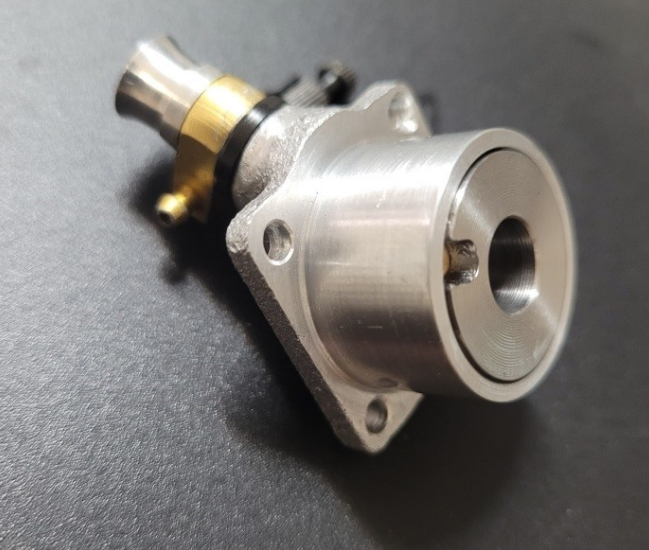


first 2, I machined from barstock. The Nelson/K&B set up delivers fuel to the big end of the engine for lubrication. The original induction system does not. (see pics here). This mod has increased performance and made the engine easier to tune.

Depending on how I setup the timing on the rotor and carbi size we can get down to about 22.2 seconds for 10 for about 37 laps. The original steel engine borrowed from Robin Hiern (thank you) was lucky to break 26 for 10.



My new rear rotor/backplate.



Its been a big learning curve for me to modify engines in this way. As always help was always available. Thanks to Mark, Robin and Paul.

I don't intend to mass produce these backplates, as I simply don't have the facilities to do that. It takes me about 4 hours to make the rotor

and backplate and then fit it to the engine. I might do a few more next year. We will see.

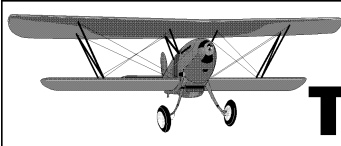
Anyway I just thought those interested in the engineering side of our sport would enjoy this article and photos.

See you,

Andrew Nugent.

Original KMD backplate.





AROUND THE CLUBS

CLAMF Contest Day 12/11/23



The weather was a bit windy so the Classic and Warbird Stunt competition did not eventuate, but some of the models did get flown. Robin Hiern had a successful day and recorded good times for his Class 5 and British 2cc model. His Brit 2cc model had been newly built (as reported in the October Edition of ACLN). Harry's Class 5 model has been playing up recently and had a habit of dying on take off out of the dolly and as a consequence kept breaking the carbon props. After checking the tank for leaks, renewing all the fuel tubing and ensuring there were no fuel blockages the Nova Rossi 21 screamed into life in the dolly but the

engine cut on release. Another broken prop! So it was time to call for assistance. It took a few attempts but a needle setting was found that held a tune. With the stock of carbon props expired, a wide blade APC 7x6 was brought onto service and two flight times were recorded.

Combined Speed Results.

Pos	Name	Class	Engine	Flight 1	Flight 2	Flight 3	Fastest	Km/h	%
1	R. Hiern	Brit 2cc	Novarossi 12	15.25	15.21		15.21	236.69	99.28%
2	R. Hiern	Class 5	Novarossi 21	15.37			15.37	234.22	96.88%
3	M. Wilson	FAI	Profi	12.96	12.60		12.60	285.71	95.95%
4	M. Wilson	1/2 A Proto	JAK 09	24.66	25.50	25.19	24.66	145.99	95.13%
5	H. Bailey	Class 5	Novarossi 21	17.25	17.34		17.25	208.70	86.32%
6	Tim Cooper	S/Speed	Magnum15	26.30	26.32	25.65	25.65	140.35	85.77%
7	Tim Cooper	1/2 A Proto	OS 10 FP	28.63	28.65		28.63	125.74	81.94%
8	M. Wilson	Class 2	Nelson	12.06			12.06	240.20	77.78%
9	H. Bailey	Class 1	OS CZ11 PS	20.25	20.19	20.66	20.19	178.31	77.07%



Tim Cooper has become a regular in the speed pylon. Some of the models he campaigns are pictured above.

The Oily Hand Meeting at the Munro flying field in Gippsland, Victoria, went ahead as planned on the last weekend in October.

Fortunately for those attending, there was no repeat of the diabolical weather that happened during the May event and plenty of flying of models of the three disciplines took place. The weekend was a relaxed affair with no set routine just fly what you want when you want and it was good to get the experience of seeing other aspects of our hobby going on at the same flying site.

Quite a few participants stayed at the field either camping or in caravans and had barbequed roast dinner on Saturday evening.

There was an impromptu 2.5cc rat race take place just for the fun of it (without timekeepers and lap counters). Some older styled outdated half A combat models had been fitted with 2.5cc engines and lots of destructive combat flights were flown throughout the weekend.

Thanks go to Barry Murphy for an enjoyable weekend.

Pictures by Neil Baker.



Barry Murphy (right) talks about his Pylon race models.



Greg Nelson and Murray Wilson gave their F1C models a few flights.



Warren Brown's 2.5 Diesel Taipan collection.



Rocket Man Robin Hiern.

Rat Racers.



Greg Nelson test flew his new 27 Goodyear model.



Warren Brown with his R/C "Peacemaker"





73rd NATIONALS 2023 PROGRAM WEST WYALONG

Thurs 28th Dec 2023 to Thurs 4th Jan 2024



Activity & Date	Social Events	West Wyalong Stadium FF/CL/RC Indoor	CL Aerobatics McAllister Oval	CL Speed and Racing AB Field Hardstand	CL Combat and Racing AB Field Grass Circle	Free Flight AB Field	SAMs AB Field RC Strip	F5J, F5B AB Field RC
Thurs 28 Dec 2023			Practice Demo Fun Fly/Try day	Practice	Practice	Practice & Fun Flying everyday – see CD first	Practice	
Fri 29 Dec 2023			9am-4pm F2B AEROBATICS Rd 1 Adv. and Exp.	F2C TEAM RACE Heats 1 & 2 F2F TEAM RACE	2.5cc SLOW COMBAT CLASSIC B TEAM RACE	7am-10am F4A 8am-1pm Open Rubber	Checking Processing Practice	
Sat 30 Dec 2023			9am-4pm F2B AEROBATICS Rd 2 Adv. and Exp.	F2C TEAM RACE Heats 3 and 4 Final Classic FAI Team Race	Vintage A Team Race	8am-1pm F1A, B, C Fly off 7am 31 Dec 8pm-9pm Night Scramble	9am 2cc Duration 1pm Std Duration	
Sun 31 Dec 2023	7.00 PM Country Lamb Roast Dinner, wine	3pm-6pm Electric control line Aerobatics	9am-4pm F2B AEROBATICS Rd 3 Adv. and Exp.	27 GOODYEAR 27 sec per 10 laps Junior 2.5cc Rat Race	F2D COMBAT	7am fly off from 30 Dec 8am-1pm F1J, Vintage Glider/ Rubber	9am Cabin Scramble 10am OT Glider 2pm 38 Antique	
Mon 1 Jan 2024		9am-2pm Practice. 2pm-4pm Peanut + scale 4pm-6pm indoor glider 6pm-9pm hanger rat + scramble	9am-4pm F2B AEROBATICS Rd 4 Adv. and Exp.	F2A SPEED Rounds 1 & 2 Combined /Jet Speed	1/2A COMBAT	8am-1pm Open Power P30	9am ½ A Texaco 1pm Duration	
Tue 2 Jan 2024			9 am CLASSIC STUNT	F2A SPEED Rounds 3 and 4 GOODYEAR	OPEN COMBAT	8am-9am Day Scramble 9am 12p HLG,CLG,DLG 9am-12pm E36	9am GB Event 1pm OT Texaco	
Wed 3 Jan 2024			9am VINTAGE STUNT	OPEN RAT RACE 2.5cc Rat Race	VINTAGE COMBAT	8am-1pm 60's Coupe Vintage power	8am-2pm FF Vintage Power 2pm Nostalgia	
Thu Jan 4 2024			9am F4B CL SCALE			8am-1pm F1H, FIG, OZ Diesel		

73rd Combined Nationals Update Number 2

Dates; 28 December 2023 - 4 January 2024

AB Field Clear Ridge Road West Wyalong

Entries

They are starting to roll in, as they always seem to do just on the death knock. Late fees will be delayed another week to encourage some of the undecided, lazy or misinformed.

Combat

There is some concern about the location of the field for the combat competitions. Michael Comiskey visited the AB field recently and deemed the surface unsuitable. Redman Oval is available

Aerobatics

Frank Battam is the CD for this event. He will liaise directly with council.

The C/L NSIG has nominated the following event CDs;

Goodyear and F2F will be run by Keith Baddock

F2A and 27 Goodyear Andrew Heath

F2C, Classic B and Vintage A Robert Fitzgerald

Open and Slow Combat Murray Wilson

2.5 Rat and Open Rat Harry Bailey

Junior Rat Combined Speed and Jet Ken Hunting

F2D Maris Dislers

Classic FAI, 1/2 A Combat and Vintage Combat, Michael Owen.

Free Flight

Some members have volunteered as CDs but more are required. Roy Summersby is coordinating FF

SAMs

On track and awaiting entry totals.

Filming

Michael Owen will be taking video footage from most of the venues to compile a movie on control line, free flight and SAMs flying. We need as much PR as possible these days if we are to have any chance of encouraging new flyers. I appreciate the needs and concerns of flyers but please cooperate. We need the publicity and we need to display that to the MAAA members and the public.

Catering

Michael Owen will also provide an on field 'restaurant'

Celebration Dinner

A caterer will be appointed to do the dinner but the usual red and white wine will be supplied.

Information

For additional information re events please contact the relative CD.

Terry Bond

Coordinator Nationals

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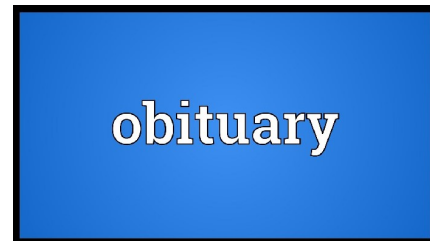
For any readers that are not aware, back issues of ACLN are available for viewing on the CLAMF website

http://clamf.aerosports.net.au/?page_id=958

There is quite a bit of reading as the copies go back to September 1999.

<http://clamf.aerosports.net.au/newsletters/ACLN/Issue26.pdf>

Vale Jim Dunkin
9 June 1940- 25 April 2023



Jim was an avid American Aeromodeller, engine collector and cataloguer.

He began his modelling career at the age of 11 by building an Ace Whitman rubber model, quickly graduating to Control Line models.

Then about 1957 he learned of team racing.

By 1967, Jim and his Teammate, Bill Wright, qualified and competed for the USA in the 1968 World championship in Finland.

They flew for competitions for another 8 years and competed together as part of the US Team at the 1970, Belgium, 1972, Finland and 1976 Holland, World Championships.

Those international trips provided more exposure and generated many contacts and his knowledge of F2C grew and his life-long passion for collecting 2.5cc size Diesel engines began.

He continued to travel to most World Champs as a Supporter and spectator for many years to follow.

Jim kept copious records and rigorous data on these engines and in 2002 published his first book on Model engines with the catchy name of "International Reference Book of .15 CI/2.5 cc of Model Airplane Engines."

A self published ring bound book, it quickly became popular as the go to 'bible' for lovers of all things 2.5 cc model engines!

This was later updated and published as proper hardback in 2011, which covered a staggering 1646 engines!

His interest was not limited to 2.5 cc engines, he also researched and wrote a biography of Walter H. Righter named Denymites, Drones, & More (2008).

Jim studied Civil Engineering and graduated with a Bachelor of Science from the University of Missouri and worked for the Missouri Department of Transport Highway department for over 35 years and was a Senior Engineer.

A talented Civil Engineer, he will be best remembered, not for his roads, bridges or turnpikes, but for his encyclopaedic memories of those beautiful small, smelly things we all love; Diesel engines!



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Pick up only 5lt castor oil price is \$60
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Andrews Pans.

Hi All,

I've been asked over recent months about the availability of pans and what types I have.

I had a dig in my pan box and was quite surprised to see about 8 different types. It's grown over the years! The quality has improved also. I'm on my 3rd foundry now, it was a problem getting a company who wanted to take it on. Material is casting alloy CC601.

Price is still the same at \$25 for "as Cast" pans. I'm not preparing them in a finished state because of problems with my arms at the moment.

I'm not keeping a lot of stock, but will get some cast if asked. It usually takes about 3 weeks. I will always get a couple extra done.

Also, I've just finished a new master. It's copy of Steve Rothwell's engine plate. Simple little thing, but it will save cutting the plate out of tough aluminium

After last month's update and photos of the available pans, I wanted to clarify some of the prices .

29 speed pan..... \$30

2cc speed pan....\$25

T/R pans.....\$25

Rothwell style plate..... \$12

All the pans are unfinished . Although I usually clean off most of the flashing ,

Andrew Nugent.

andrew.n5@bigpond.com

A few engines for sale.

Enya 049 reed valve F/F new in box	\$125
OS 15 111 C/L new in box	\$100
OS 15 C/L new in box	\$100
HGK 15 F/F new in box, no NVA	\$125
Cipolla 1.5 D looks new in box	\$90
MP Jet 06 D TBR used excellent in box	\$100
Super Tigre 29 FI F/F very good used in box	\$90
Owen 2.5 T new in box	\$ 475

Contact Wayne Wilson @ whyzedman@hotmail.com

As some of you already know I have taken over the manufacturing of CL props for Supercool props.

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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

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 (M. 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"



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