

# Slipstream



April 2009: Frank Jensen and his new, nearly finished 90 YD Models/Super Kraft Monocoupe 90A 20%, photo courtesy of Geoff Griffiths

## More Muffling for your Motor.

### From the Presidents Flight Box

Easter: The president and Committee wish all members a happy and safe Easter. For those travelling we wish you and your family an enjoyable holiday.

This Easter both Friday and Sunday will be closed to I-C engine flying so that our neighbours can enjoy two days free of engine noise.

Golden Era Racing in Adelaide: Peter Easdown, Gary Turna, Stephen Turna, Ken Greaves, "Crash" Carpenter and I formed the WA contingent in Adelaide. The racing was fast and furious, the Gee bees, Mew Gulls, Sparrowhawks, Texans and Warbirds formed a colourful array. The flying skill of the WA team was very high and we came home with many awards. A standout pilot for the whole weekend was Stephen Turna who was placed first in the AT-6 (Texan) event.

World Championship F3B: I again draw the attention of members that Tim Kullack, from KAMS will be representing Australia at the forthcoming World Championships in Croatia. Good luck Tim!

The Referendum: Members will shortly receive a ballot paper and will be invited to have an input into what they consider to be an appropriate sound standard for KAMS Field. I request that members consider the matter carefully and I expect that the matter will be resolved in a spirit of respect and co-operation. Members need to abide with the outcome because we are in the sport for the camaraderie and the fun that the hobby brings to us all.

Peter White

President



With the recent events occurring at KAMS, it's been a hotly debated subject, as to just how to get your plane to be under the 80dbA (or 85, we'll see) noise limit. Mufflers are a bit of a black art, but provided we're not trying to get a tuned exhaust or a paired cylinder muffler, things aren't as frightening as they seem. A good rule is "there's no replacement for displacement" for our simple mufflers, the larger the volume for the exhaust gases to slow down, and cool down will do a lot of the work for us. So, how to get more volume out of an existing muffler? Add more muffler!

For my 26cc CAP 10, I had to find some sort aluminium can of the right dimensions, (approx Ø40mm) so with my vernier calipers in hand I set off to the local supermarket. Let me tell you, measuring various mousse and deodorant cans with a vernier gets you some strange looks, but for a meager sum of \$3.10, I came away with a can that looked perfect.



On getting it home I emptied the contents (a painfully exercise) and drilled a hole through the top to let any remaining gas out. Then with a dremel cutoff wheel I cut the top off it, which gave me a good 50mm to play with before I'd get to the business end, just in case I made a boo boo.

I then ground down the weld on the end of the muffler till it was a snug fit between the can and the muffler. One that was done I drilled a big hole in the back of the muffler and cleaned up the edges. The length of the extension was pushed as far aft as possible with a few mm clearance from the firewall.



Now for the important bit, the looks! The can was sanded to remove the paint (I didn't want EVERYONE to know what it was, just you guys...) and trimmed to fit the space I had, (which worked out to be about half of the existing muffler length). I applied a generous amount of high temp sealer to the mating surfaces and smooshed them together. A few small button head screws around the edge hold it together, and a good bake in the oven for 20 minutes to set the sealer.



Once it had cooled I set about polishing it to a respectable shine. Aftermarket looks for \$3.10! Now for the "AH" test. With the extra can on there is VERY noticeable difference in muffling if I grab the muffler and try and yell through it, screaming "AAAHHHHHHH" at the top of my lungs, so I think I might have won.



While this isn't a typical "flow through" style muffler, it is based, very loosely on the reactive style mufflers becoming prevalent in automotive circles which send a reflected sound wave back up the pipe which effectively cancels out the next sound wave coming down the pipe.



Food for thought, perhaps?

## KAMS March 09 General Meeting Minutes

**Meeting Open:** with President Peter White in the chair at 8:00pm

**Attendance:** 25

**Apologies:** Troy Latto, Ken Wansbrough, Mike Paterson, Mike & Jeff Archer, Dave Shue, Ian Johnson, Neil Giggins, Mark Mcentee

### Secretary's Report

Correspondence: **IN** : From Aus Post re: PO Box renewal, Mike Close MAAA regarding legal advice matters

Correspondence **OUT:** Membership folders and keys to new members. Mike Close MAAA regarding legal advice matters

Previous Meeting Minutes: In *Slipstream*

Business Arising: None

It was **moved** Nigel Molyneux **seconded** Eric Gooch that the secretaries' report be accepted **carried**

### Treasurer's Report

Statement up to:	27 <sup>th</sup> Feb
Opening Balance:	\$19,216.97
Credits:	\$450.00
Debits:	\$13,28.86
Balance Brought Forward:	\$18,338.11
Advantage Saver Balance:	\$22,148.14

Major Expenditures: None forecast

Current membership: 120

It was **moved** Garry Turna and **seconded** Bruce Willet That the treasurers report be accepted **carried**

### Club Business

**Membership services:** New members: None, Key application for the parents of junior member Joseph Azzopardi,

**Wings:** None

## AWA REPORT (K. Greaves, E.Gooch) –

The meeting was taken up with the ongoing saga of the Fred Adler case.

It has been asked that KAMS vote on the removal of the AWA executive due to lack of confidence. This was put to the members and it was unanimous that KAMS do not have a problem with the executive of AWA and its performance regarding the day to day operation of AWA . The motion was rejected in favor of retaining the executive.

### Noise Issues

The president addressed the meeting and presented a folio on all correspondence relating to what has been done to date. This will be used if necessary to obtain legal advice, being available to any member, who would like to read it and bring them selves up to date, as well as documentation and information for the incoming committee.

### General Business

#### From the Floor

Eric Gooch has been approached regarding a model expo at Canning City Town Hall on 9<sup>th</sup> and 12<sup>th</sup> of July. It will be shared with Trains, boats and other forms of modeling. Space for aero modeling will be approximately 60m2, trestle tables will be available. Eric is looking for volunteers to assist and provide models for display. Eric also requested permission to promote KAMS during the expo and was duly given.

Eric has also been approached again by the wood work show to participate as we did last year with a display of model aircraft on the 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> August. And again has asked if members could support it.

It was pointed out Garry turner that Kams Calendar and AWA calendar had different dates for the State F/F scramble and Hurl Glider. It should be noted that the AWA date is correct, 2<sup>nd</sup> May and KAMS calendar will be altered.

### Calendar Review

#### March 09

2	Monday Public Holiday		10.30am
			–3.30pm
			noise restriction on certain types
15	Sunday	F3b Glider	Day
18	Wed	General Meeting	8pm
26	Thursday	Pylon	1pm
29	Sun	Flying Only Scale	1pm

#### April 09

5	Sun	F/F Scramble	3 –
			5pm
10		Good Friday No IC operation Day	
11	Sat	Glider	1 pm
			on
12		Sunday Easter No IC operation Day	
15	Wed	General Meeting	8pm
19	Sun	AWA FF Chuck Glider	3pm
			on
19	Sun	AWA FF Scramble	3pm
			on
23	Thursday	Pylon	1pm
27	Monday	Public Holiday	10.30am –3.30pm
			noise

restriction on certain types.

**Meeting Close: 9:30pm**

### KAMS Committee Meeting Minutes– April 6, 2009

**Meeting open:** 7:45pm with President Peter White in the chair.

**Attendance:** P White (Pres); Clint West (Treas) Troy Latto (SEC)

**Apologies:** Ian Dixon (VP); T.Kullack (Calendar/SIGS);Bruce Willett(Tech)

### Secretary's Report

Correspondence In: - Westnet Rail re:sheep;AWA re:Silver Wings;Life membership nomination (From March 09);WARS re:AWA meeting outcomes;AMI Magazine re:Warbirds.

Correspondence Out – To AWA re:Silver Wings; AMI magazine; Member Folders (6)

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Minutes:In *Slipstream*

### Treasurer Report

Statement up to:	31 Mar 09
Opening Balance	\$18338.11
Credits	\$425.14
Debits	\$1780.25
Balance Brought Forward	\$16983
Advantage Saver Balance	\$TBA
Current membership:	131

### Club Business

**New Members: Nil**

**Wings: nil**

### Noise Issue

President White presented KAMS with 6 bound copies of all correspondence to do with the noise management issue gathered over the past 14 months. This will be made available to the next committee. President also volunteered to organize the referendum on the change to the by-laws. Discussion was held on the conduct of the referendum and the presentation of information to members. At this stage members will be asked to vote on two questions and return their vote via sealed envelope to the KAMS PO Box no later than May 31. Votes will be counted and results announced at the June General Meeting held after the AGM.

### General Business

**Sheep Problem:** Fencing on the North East boundary to be repaired to prevent sheep from re-entering KAMS property. Westnet Rail have noted that the sheep have been roaming widely across the rail reserve.

**AWA/WARS issues:** Correspondence received from WARS/KAMS member seeking clarification on KAMS position with regards to the current feud between AWA, WARS and the new club operating out of Yokine Reserve. KAMS executive expressed disquiet at the way KAMS has been drawn in to the wider debate when it is clearly NOT in our interests nor any of our business to be involved. Secretary to draft a response stating our [position on this matter and send to WARS executive.

**Life Membership Nomination:** A nomination has been received and approved by the committee. The award will be presented to the recipient at the AGM in June.

**Awards for 2008/2009:** The following awards will be presented at the AGM in June: Length of membership; model of the year, Jim Lees clubman of the year. The clubman of the year award will be voted by members at the AGM. Nomination forms to be printed in Slipstream. Three model of the year nominations have been received but further nominations welcome. Please see committee members prior to May 31.

**Committee 2009/2010:** President reminded committee that the executive must stand down this year as the mandatory two years service is up in June. At this stage ALL committee positions will be vacant as no current committee member has indicated they will be re-nominating. Nomination forms for committee positions to be printed in Slipstream and must be received before May 31.

**KAMS Financials:** Treasurer stated that the KAMS books must be closed for auditing at the end of April. Any expenses incurred by members on behalf of KAMS MUST be presented to the treasurer for payment BEFORE APRIL 30.

**Golden Era Racing SIG:** Garry Turna seeking endorsement to be WA representative on the new Golden Era racing SIG. Committee endorsed this position subject to agreement by AWA/MAAA and Golden Era SIG organizing committee

**Meeting Closed: 9:30Pm**

## Fee Structure for 08/09 KAMS

### KAMS FEES 2008-2009 (full year) RENEWAL MEMBERSHIP

Membership Type	KAMS Fee	AWA/MAAA Fee	Joining Fee	Total Fees
Senior	220	95		315
Student	110	95		205
Junior (U18)	77	40		117
Pensioner	121	85		206
Associate	77	Nil		77
Remote	110	95		205

### KAMS FEES 2008-2009 (full year)NEW MEMBERSHIP

Membership Type	KAMS Fee	AWA/MAAA Fee	Joining Fee	Total Fees
Senior	220	95	100	415
Student	110	95	50	255
Junior (U18)	77	40	20	137
Pensioner	121	85	95	301
Associate	77	Nil	Nil	77
Remote	110	95	85	290

### KAMS FEES 2008-2009(1/2 year) NEW MEMBERSHIP

Membership Type	KAMS Fee	AWA/MAAA Fee	Joining Fee	Total Fees
Senior	110	47.50	100	257.50
Student	55	47.50	50	152.50
Junior (U18)	40	20	20	80
Pensioner	60.50	45	95	200.50
Associate	38.50	-	-	38.50
Remote	55	47.50	85	187.50

### Send fees via post to:

The Treasurer KAMS  
Clinton West  
13 GIANATTI RAMBLE Phone (08)9451 6556  
EAST CANNINGTON WA 6107  
CASH SHOULD NOT BE SENT IN THE MAIL!



Brian Holding with his Tiger 60, photo courtesy of Geoff Griffiths.

**KAMS Event Calendar 2009**

January 09

**1 Thursday New Years Day No IC operation Day**

21 Wed General Meeting 8pm  
 22 Thursday Pylon 1pm  
 26 Monday Public Holiday 10.30am –3.30pm noise restriction on certain types.

February 09

10 Sat Glider 1pm on  
 18 Wed General Meeting 8pm  
 26 Thursday Pylon 1pm

March 09

2 Monday Public Holiday 10.30am –3.30pm noise restriction on certain types  
 15 Sunday F3b Glider Day  
 18 Wed General Meeting 8pm  
 26 Thursday Pylon 1pm  
 29 Sun Flying Only Scale 1pm

April 09

5 Sun F/F Scramble 3 – 5pm

**10 Good Friday No IC operation Day**

11 Sat Glider 1 pm on

**12 Sunday Easter No IC operation Day**

15 Wed General Meeting 8pm  
 19 Sun AWA FF Chuck Glider 3pm on  
 19 Sun AWA FF Scramble 3pm on  
 23 Thursday Pylon 1pm  
 27 Monday Public Holiday 10.30am –3.30pm noise restriction on certain types.

May 09

3rd May AWA F4C scale, static @ 9 flying @ 1pm  
 20 Wed General Meeting 8pm  
 23 Sat AWA Q500 Pylon 1pm on

June 09

1 Monday Public Holiday 10.30am –3.30pm noise restriction on certain types.  
 13 Sat Glider 1pm on  
 21 Sun AWA Combat 1pm on  
 17 Wed ANNUAL GENERAL MEETING  
 25 Thursday Pylon 1pm  
 28th Jun Flying Only Scale 1pm

July 09

15 Wed General Meeting 8pm  
 19 Sun AWA O/T Std Duration 9am – 12noon

August 09

8 Sat Glider 1pm on  
 19 Wed General Meeting 8pm

September 09

16 Wed General Meeting 8pm  
 20 Sun AWA Open duration 9am – 12 noon  
 27 Sunday Jet Rally day

28 Monday Public Holiday 10.30am –3.30pm noise restriction on certain types.

October 09

10 Sat Glider 1pm on  
 21 Wed General Meeting 8pm  
 18th Oct Warbirds Over Mundijong 9am  
 22 Thursday Pylon 1pm  
 31 Sat Field Maintenance Day

November 09

15th Nov AWA Stand Off Scale + Large Scale, static @ 9 flying @ 1pm  
 15 Sunday AWA Stand Off Scale 1pm  
 18 Wed General Meeting 8pm  
 22 Sun AWA Thermal Glider Day  
 26 Thursday Pylon 1pm

December 09

6th Dec Open Scale Rally 9am  
 12 Sat Glider 12pm-4pm  
 12 Sat Twilite BBQ/Flyin 4pm on  
 16 Wed General Meeting 8pm  
 25 Friday Christmas Day No IC operation Day  
 26 Saturday Boxing Day No IC operation Day  
 27 Sun Combat 1pm on  
 28 Monday Public Holiday 10.30am –3.30pm noise restriction on certain types.

***Note for F4C Scale only: Static judging starts 09:00. Flying from 1pm until all contestants have completed required flying tasks.***

**Jim Lees Memorial Award**

**My nomination for the Clubman of the Year Award is**

(Print).....

Reason(s) for nomination.....

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.....

Signed (nominator).....

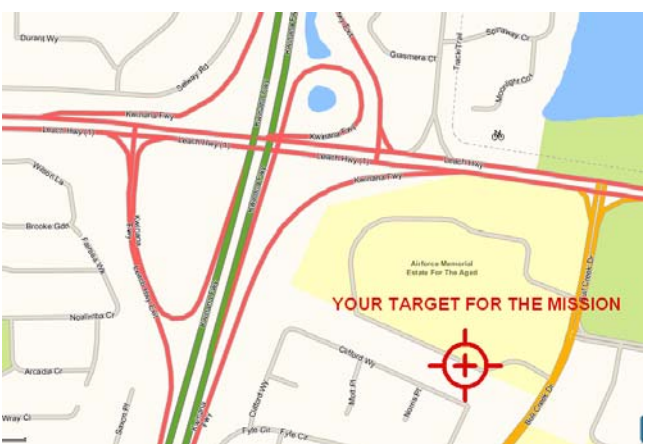
Print.....

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# WITNESS DEMOCRACY IN ACTION!

..Tell us what you really think... No, Seriously, We mean it! All of the events that shape the future of the club we know and love are in your hands. Everyone has equal standing in the club, and if you're not there to voice your opinion, you've only yourself to blame if you don't like the way the club is run. It's a democracy, but you have to be there to have your say. So: **HAVE YOUR SAY!**



**When you see the really, really BIG model spitfire, looming out of the darkness, you're there!  
Refreshments are provided, and there's always time for a good yak afterwards.**

**MEETING STARTS AT 8:00 BE THERE**

**ANOTHER REMINDER...**

SAVE TREES, SAVE KAMS FUNDS, SAVE THE UNIVERSE, AND MORE IMPORTANTLY, SAVE THE EDITOR'S TIME! IF YOU HAVE A WORKING EMAIL ADDRESS TO RECEIVE THE SLIPSTREAM, PLEASE LET THE COMMITTEE KNOW AS SOON AS POSSIBLE, AND SOON WE WILL BE PAPER FREE!

## Special Interest Groups

As you may be aware, several special interest groups operate within the KAMS infrastructure. These groups cover a variety of aeromodelling disciplines and welcome enquiries from new and existing KAMS members.

Contact names:

### RC Scale

Ken Wansborough

### RC Pylon Racing

Matt Picken  
Mark Giggins

### RC Combat

Troy Latto

### RC Glider

Tim Kullack

### IMAC (aerobatics)

Hans Bertina

### RC Old Timer and Free Flight

Ian Dixon

### RC Turbine

Neil Giggins  
Gary Turna

Your Committee for 2008/2009

**President:** Peter White

Telephone: 08 9456 4800

Email: [PLEVALLEY@bigpond.com.au](mailto:PLEVALLEY@bigpond.com.au)

**Secretary:** Troy Latto

Telephone: 08 9317 3269

Email: [latto@iprimus.com.au](mailto:latto@iprimus.com.au)

**Treasurer** Clint West

Telephone: 08 9451 6556

Email: [grinja1@bigpond.com](mailto:grinja1@bigpond.com)

**Committee Member:** Tim Kullack

Telephone: 08 9339 7275

Email: [timk@perthrecruit.com.au](mailto:timk@perthrecruit.com.au)

## Flight Instruction

If you are a new member or just need to brush up on some skills, KAMS has a group of qualified instructors that are available to assist you. Please contact your committee members to discuss your training requirements.

Website

KAMS now has a website online. Pick up the latest info as well as back issues of Slipstream from:

<http://www.kams.net.au>

## General Meetings

KAMS General Meetings are conducted on the third Wednesday of every month at The RAAF Association Bullcreek Drive, Bullcreek. The meeting room is on the left under the Spitfire. Meetings start at 8pm and usually run for an hour. All members should aim to attend as many meetings as possible in order to have their say on matters affecting the club.

### Canteen:

Malcolm Retallack (Manager): 0418 943 539

Hours: 08:00 – 14:00

**Slipstream Deadline:** Wednesday prior to monthly meeting. Submissions by email in unformatted text. Pictures un-cropped.

**Slipstream Complaints:** Please forward all correspondence regarding slipstream complaints to your nearest circular file available to you.

**Committee Member:** Bruce Willett

Telephone: 0417 969 174

Email: [b.willett@bigpond.com](mailto:b.willett@bigpond.com)

**Committee Member:** Ian Dixon

Telephone: 08 94382934

Email: [i.dixon@colonialsg.com.au](mailto:i.dixon@colonialsg.com.au)

**Webmaster:** Jonn Mero

Telephone:

**Slipstream editor:** Greg Kowalski

Email: [curare@iinet.net.au](mailto:curare@iinet.net.au)

**Safety Officer:** Malcolm Retallack

Telephone 0418 943 539

