

The Thermaleer

Meet Antonio and Leonardo Carlos from Brazil.

Their amazing story "Sunday Bloody Sunday" about the flight
of their 'Super Quaker' will tug your heartstrings.

Read it on page 2 of this issue.



Important Stop Press Info:

All members who are not financial by the end of September will not receive any more copies of the newsletter "The Thermaleer". This is not, repeat not, an idle warning. Complementary copies to sponsors and advertisers are not affected.

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President's Report:

Hi Folks,

Rain in most parts of Victoria has been welcomed. Let's hope our windy months that we are experiencing now will not be like last year.

Paul Farthing (SAM1788 President) rang to inform us that Twin Cities, Albury would not host the Eastern States Gas Champs this year. Paul is seeking another flying site but thinks it may have to be cancelled.

BAM are looking forward to our November Fly In at Haddon and are hoping for fair weather and lots of entries.

As our committee has not really changed it's great to know that we must be doing the 'Right Thing'.

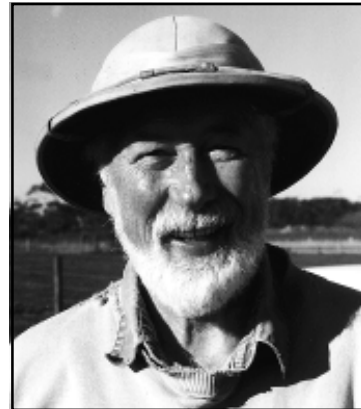
Please feel free to contact me if you have any ideas that will benefit SAM600.

Regards Chris.

Meeting #87 (AGM) Thurs 25th Sept., 2003, 7:30pm
Saturn Hobbies, 17 Ardena Ct., Bentleigh East.
(Melway 68 J-12) off East Boundary Road.
Meeting # 88, Thursday 27th November, 2003
Meeting # 89, Thursday 22nd January, 2004
Meeting # 90, Thursday 25th March, 2004

Editor's Report:

The follow report appeared on SAMTalk from Antonio Carlos of Brazil. It is one of the most poignant pieces of writing I have ever read, and a wonderful capture of the essence of the Old Timer ethos. I quote it in full. There is also a lead article beginning on page 6 with plans on page 8 of the Hollywood actor/aviator/model plane enthusiast Reginald Denny. For the content of the article and permission to reproduce I'm indebted to Dr Russel Naughton Ph.D. of Monash University. check out the website www.ctie.monash.edu.au/hargrave



Sunday bloody Sunday

This Sunday well be forever in my mind.

I decided to fly my Super Quaker at 13,00 p.m., the sky was cloudy, the temperature 22°celsius, light wind.

I fire up the Thunder Tiger 42 and get to find some thermals. A black cloud was over the field and I decided to make some 360° turns to get some lift.

After four turns the S.Quaker disappear into a black cloud, and I and my little Leonardo get desperados, after many trying with down elevator and spins the model did not appear, after 1 hour waiting I realize that I have lost my model in the sky and the best thing to do was return to my house.

My san Leonardo, 7, was crying all the time and near home I decided go back to the field again and try to find the lost model.

After spend two hours searching and looking the cloudy sky, Leonardo told me that an orange point appear in side of another cloud basis. Very low it was raining and I did see nothing.

5 minutes the orange point appear dawn the cloud it was my Quaker, whit no transmitter and no radio sign. Flying by himself.

I pick up the transmitter switch on, and the model responds landing normally.

It was raining strongly and I was crying like a baby. Now, Leonardo the S. Quaker and my, are home again, the super monokote preserves the model but totally wet, (dry inside), the re-

ceiver battery almost whit no charge, the models flown almost 3 hours.

I never gonna know what really happens, the distance between my house and the field is 10 kms, and all this in a space near to the city of São Paulo. Full of house buildings and big avenues.

First lesson never trusts in fail safe RC device.

Second lesson never flies OT near to black clouds independent of your experience.

Third lesson Old timers are antique free fly models, they fly by themselves.

Fourth lesson if you think that many sticks, glue, that you transform in an airmodel is a death thing, you are wrong! They are living creatures, because I don't know how you gave to them a Soul and this I am sure from this moment on! They are living creatures (loving)
Sorry for my English

Regards of Super Quaker,
Leonardo and Antonio Carlos /Brazil



Minutes of SAM 600 Ordinary General Meeting, 24th July 2003

Meeting Opened: 7:45pm by Chris Lawson

Apologies: K Fryer, G Jenkinson,
G McDonald.

Visitors: Darryl Gunst (VMAA President)

New Members: Nil

Attendance: 14 members present.

Visitors were welcomed by those in attendance at the meeting.

Minutes of Previous Meeting:

Accepted as published (With the exception of error in outgoing correspondence as pointed out by J Whittaker).

Moved by P Bennett that the Minutes be accepted, Seconded, D Cameron. Carried.

Business Arising from Minutes:

- Steve Gullock pointed out that the Secretary did not write to the Haddon Club re the State Champs as discussed at the last meeting. This item was not minuted.
- The Secretary is to write a thank you letter to the Haddon Club for their past support for the State Champs with a request for a substitute event for 2004.

Treasurers Report:

A report for the year 2002-2003 was delivered by Norm Campbell. (For detailed report, refer to minutes of Annual General Meeting)

Moved by D Cameron that the Treasurers Report be accepted, Seconded, S Gullock. Carried.

Correspondence In:

- June VMAA Meeting Minutes.
- Letter from VMAA Secretary re fee structure for 2003-2004
- E-mail from Basil Healy of SAM 1788 advising the dates of the 2nd SAM Champs Down-Under as 21st to 24th May 2004.

Correspondence Out: Nil

Moved by P Hosking that the correspondence be accepted, Seconded, S Gullock. Carried.

General Business:

- The results of the Rules Survey were announced with the vast majority voting to adopt the MAAA Rules in lieu of the SAM 600 Rules. The end result is that SAM

600 will now fly all of its major contests to the current MAAA Rules, with the exception of the fuel allotments in Texaco, which will be: 3cc/lb (Std. fuel) for 4 strokes & 2cc/lb for Diesels. Detailed results to be published elsewhere.

- Useful discussion was held re the trialing process for new rule proposals. Further discussion to formulate a process required.
- Fourteen (14) Old Timer Plans have been donated by Bob Hartwig & have been given to Fred Chigwidden. (Keeper of the Club plans).
- A list of the plans held by Fred is to be published in "The Thermaleer".
- Balsa Works has gone broke. The meeting voted to re-imburse Bill Britcher for the dishonored gift vouchers that he won at Swan Hill at Easter.
- Moved, D Cameron, Seconded F Roberts. Carried.
- John Whittaker reported on accommodation available at Kilmore for the 2004 State Champs. John is to check out Lancefield & surrounding area, & publish a list in a future newsletter.
- The committee is to arrange some low key one day contests over the next year. SWAMPS field was suggested as a likely venue. SWAMPS is to be approached with a request for the use of their field.
- The committee is to arrange a weekend comp at Haddon around early May 2004.
- John Whittaker thanked Tony Cincotta on behalf of SAM 600 members, for the use of his shop for our meetings & for his ongoing support.

Meeting Closed: 8:45pm

MINUTES OF SAM 600 ANNUAL GENERAL MEETING FOR THE YEAR 1/7/2002 – 30/6/2003 HELD ON 24th JULY 2003 (At Saturn Hobbies)

Meeting Opened: 8.50pm, by Chris Lawson

Apologies: K Fryer, G Jenkinson, G McDonald.

Visitors: Darryl Gunst (VMAA President)

Attendance: 14 members present.

President Chris Lawson vacated the chair & Don Cameron took over as Chairman of the meeting.

Don Cameron declared all committee positions vacant, & John Whittaker was asked to record the minutes of the meeting. Don thanked all previous committee members.

Minutes of Previous AGM (25/7/02):

The previous minutes were read by J Whittaker.

Moved by C Lawson that the Minutes be accepted, Seconded, P Bennett. Carried.

Business Arising from Minutes: Nil

Correspondence In:

Resignation from Ray Woodhouse as Public Officer.

Treasurers Report:

The Treasurers Report for the year 1/7/02 to 31/6/03 as read out by Norm Campbell at the preceding July Ordinary General meeting on 24/7/03 was tabled. (Refer attached document)

Moved by D Cameron that the Treasurers Report be accepted, Seconded, S Gullock. Carried.

Election of Office Bearers for the year 2003/2004:

PRESIDENT:- Chris Lawson
Nominated by: Bill Britcher
Seconded by: Fred Roberts

Elected unopposed.

VICE PRESIDENT/CONTEST DIRECTOR:-

Peter Hosking
Nominated by: John Whittaker
Seconded by: Chris Lawson

Elected unopposed.

SECRETARY:- John Whittaker
Nominated by: Chris Lawson
Seconded by: Peter Hosking

Elected unopposed.

TREASURER:- Norman Campbell
Nominated by: Graham Scott
Seconded by: Fred Roberts

Elected unopposed.

PUBLIC OFFICER:- Brian Dowie
Nominated by: John Whittaker
Seconded by: Graham Scott

Elected unopposed.

ORDINARY MEMBERS:

Fred Stebbing (Mailings)
Nominated by: Chris Lawson
Seconded by: Fred Roberts

Fred Roberts (Safety Officer)
Nominated by: Steve Gullock
Seconded by: Peter Bennett

Both elected unopposed.

NEWSLETTER EDITOR:- Peter Bennett

Nominated by: Trevor Boundy
Seconded by: John Whittaker

Elected unopposed.

WEBMASTER:- Trevor Boundy
Nominated by: Peter Bennett
Seconded by: Fred Stebbing

Elected unopposed.

General Business:

All new committee members were congratulated.

Meeting Closed: 9.05pm

**WebMaster's Report:**

During the last 12 months ending 31st May 2003, the SAM 600 of Australia web site has had 2,180 visitors to the site.

At the last printing of mailing labels for Fred Stebbing there were 72 newsletters in total.

This number contained 27 complimentary copies of the newsletter that were sent to sponsors and other SAM Chapters.

TrevorB,

Webmaster SAM 600 of Australia
Model Recognition Page seen at
<www.boundy39.com> SAM359L

SAM 600 of Australia Victorian R/C Old Timers Association Inc.

TREASURERS REPORT 1/7/2002 to 30/6/2003

Opening Balance 1/7/2002 \$1,979.57

Income

Memberships	\$795.00			
Competition Fees	799.00			
From VMAA for Windmeter	215.00			
Donations – Raffles	<u>70.00</u>			
	Total	<u>1879.00</u>		\$1879.00

Total Income \$3,858.57

Expenditure

Posh Printing	\$660.00			
B. Barton – Fax	102.00			
Consumer Affairs	33.00			
Windmeter	215.00			
C. Lawson – Fuel	15.00			
F. Stebbing – Postage	187.00			
Toilet Hire	77.00			
C. Lawson – Trophy Labels	21.00			
Geelong Showroom Trophies	42.80			
Model Engines & Trophies for Swan Hill				
<u>91.20</u>				
	Total	<u>\$1,558.00</u>		\$1,558.00

Total Expenditure \$1,558.00

Book Balance \$2,300.57

Bank Balance \$2,300.57

Prepared by: Norman Campbell
Treasurer, SAM 600 of Australia

Reginald Denny (1891-1967)

**An amazing life with a passion
for model aviation.**



In more than 200 movies and stage shows made between 1919 and 1966, Reginald Denny played both comic and dramatic roles along-side the greatest stars of the day.

Somewhat less well known was his pioneering work in the field of pilotless aviation, Denny being, in many respects, the father of today's UAV industry (Unmanned Aerial Vehicle).

In the 1940s, the mass production of Denny's 'Radioplane' target drone led to the widespread adoption of radio controlled aircraft by the military for combat roles from the Pacific Theatre in WW2 through to Iraq in 2003.

There was of course parallel civilian development with unmanned aircraft designed to monitor forest fires, help predict our weather and generally be employed in dull, dirty and dangerous missions that, in the latter scenario, put pilots into harms way.

The Dennyplane series, a pre-cursor to the 'Radioplane', was Denny's 'jewel in the crown' of a whole range of hobbyist products that brought model aviation to the masses in a post-depression, pre-war America.



A Shop on Hollywood Boulevard

After forming Denny Industries in 1934, Denny began selling his models at this location in 1935 (On the North side of Hollywood Boulevard, visible just as you exited the Hollywood Freeway off ramp).

He also sold them though Jay's Models on Melrose (just south of Hollywood) and throughout the nation, by mail order



Reginald Denny's Hobby Shop, Hollywood Boulevard, 1961

In 1938 Denny bought the rights to an engine design from Walter Righter, manufacturing and selling it as the "Dennymite". Denny kept the shop open until around 1963 when it was sold to "Colonel Tom's" further south in West Los Angeles.

Sadly, all traces have now disappeared



Jane Withers with her ‘Dennyplane’

Source: Model Builder, c. 1937/8

Jane Withers holding one of the beautifully built Dennyplanes that appeared in the movie *Holy Terror*. Jackie Cooper was another young star who received one of the six-foot models as a gift from Reginald Denny.



Reginald Denny “Sky Charger” engine above and shown below with one of his models in his beloved Hobby Shop.



Freddy Bartholomew with his ‘Dennyplane Jr.’

Source: Model Builder, c.1937/8

Freddy Bartholomew received just such a model as a Christmas present and showed up with it at the Pacific Coast Championships in the summer of 1937.

This eleven year old MGM movie star had high hopes of winning until an over-enthusiastic photographer stepped into the path of his model as it was taking off. The wing and nose section were badly damaged and beyond repair.



Category	Model Name	Designer	Publisher	Kitter	Span dev	Type
OldTimer	So Long	Engelhardt_Bill			50	Cabfus
OldTimer	Slicker 42	Dean_Bill				Pylon
OldTimer	Brooklyn Dodger	Taibi_Sal	Paul Plecan		56	Cabfus
Scale	Tigre Moth DH	Coasby_JW	Aero Modeller	?	44	
Antique	Mermaid	Forster_GFP	Aero Modeller		71.5	Flying Boat
Nostalgia	Civy Boy	Gilliams_Paul		Austin Craft	51	Pylon
Antique	Cumulus	Goldberg_Carl	Pond		62	Pylon A B
OldTimer	Colibri	Garami_Louis	MAN		40	Sport Flyer
OldTimer	Playboy Senior	Elgin_Joe		Cleveland	80	Pylon
Nostalgia	Black Magic	Hempsell_Fred	AERO		60	Cabfus
Gas Other	1950 vic state champ	Gregory_Ted	Aircraft Mar 1950			
Antique	Powerhouse	Taibi_Sal			84	Cabfus
OldTimer	Interceptor	Goldberg_Carl			42	Pylon
Scale	Cessna Bird Dog		AERO		32	
OldTimer	Go Getter	Weathers_Elbert			53	
Antique	TD Coupe	Dykzeul			64	
Antique	MG 2	Granieri_Mike				
Scale	P26 Wiga 35		AERO		36	
Antique	Cloud Cruiser	Shereshaw_Ben			98	Cabfus
OldTimer	Zipper	Goldberg_Carl	?	?	0	Pylon
Gas Other	Day Tripper					
Antique	Clipper Mk I	Goldberg_Carl		Comet Model		
Antique	Riser Rider	Marquardt_Roy				
Old Timer	Westerner (Foote)	Foote_Donald	?	?	106.5	Pylon
OldTimer	Sailplane	Goldberg_Carl		Comet Model	78	Pylon
Nostalgia	San De Hogan	Davis_Denny	Air Trails			
Nostalgia	Ethereal Lady	Smeed_Vic	Aero Modeller plan		50	Cabfus
Antique	Topper	Murray_Gordon		Bay Ridge	0	
Antique	Lancer	Chaplaskie		New Cyclone Aircraft	72	Cabfus
OldTimer	GE Cabinette (+ "B")	Ehling_Frank	Model Aeroplane News		48	
OldTimer	Kerswap	Morris_Gilbert			42	Pylon
Nostalgia	Spacer AB	Taibi_Sal			66	Pylon
Antique	Dallaire Sportster	Dallaire_Frank			108	Cabfus
Antique	Champion	Shereshaw_Ben			108	Cabfus
Rubber	Woomera Wakefield	Baker_Ron	Model Aircraft	?	0	
Rubber	Cabin Duration	Dean_Bill	Aero Modeller		23	Cabfus
Glider	Cracow Mk IIA	Temple_LG	Aero Modeller		72	
Rubber	Super Clodhopper Wakefield					
Rubber	Ibis Duration Model	Hervey_Ham	Central Aircraft		40	
Rubber?	Walthew		Aero Modeller	?	29.5	
Gas Other	Ron Waring Light Weight	Warring_Ron	Aero Modeller			
Glider	Sans Egal		Aero Modeller			
Rubber	Korda Wakefield	Korda_Dick		Megow		Wakefield
Rubber	AM Cabin		Aero Modeller		20	Wakefield
Rotary Wing	Flap Happy		Aero Modeller			Ornithopter
Glider	Moby Dick	Smith_E	Aero Modeller		82.5	
Rubber	1940 Stick winner	Lanzo_Chet	Air Trails			Wakefield
Rubber	Flying Minuits 1939					Wakefield
Rubber	Clodhopper 11 Wakefield		Air Trails 1937			Wakefield
Rubber	Fillons 1937 Wakefield					Wakefield
Rubber	VB3	Bezemer_V	Aero Modeller	?	40	
Rubber	Rubberdub 1954	Lewis_Brian	Aero Modeller		30	
Glider	Ivory Gull 1940	Gosling_R	Aero Modeller		50	
Antique	Bomber	Lanzo_Chet			90	Pylon
Scale	DH Puss Moth		Aero Modeller		30	
Rubber	Nelder Moffat Winner 1936					Wakefield
Category	Model Name	Designer	Publisher	Kitter	Span dev	Type
Rubber	Noonan Diamond Wakefield 1938					
Rubber	Last Resort 1960		Model Aircraft		32	
Rubber	Bullocks Wakefield					Wakefield
Antique	Valkyrie	Goldberg_Carl	Air Trails September 1938	120		
Antique	Bomber	Lanzo_Chet			90	Pylon
Antique	Monocoupe 90A	Lindberg_Paul			72	
Antique	Eaglet	Shereshaw_Ben			72	
Antique	Lancer			New Cyclone Aircraft	70	Cabfus
OldTimer	Soaring Eagle C	Eggert_Walter		Megow	72	
Antique	Corsair Sr.	Van Wymersch			74	
OldTimer	Flying Wing	Gross_Bernard			72	
Gas Other	Sportster		AT		50	

Antique	Powerhouse	Taibi_Sal			50	
OldTimer	Brigadier		Berkeley		55	Cabfus
OldTimer	KG S	Struck_Henry			66	
OldTimer	Commander		Megow		72	
OldTimer	Nomad	Hollinger			78	
OldTimer	American Ace 54	Struck_Henry			54	
OldTimer	Flying Wing	Gross_Bernard				
OldTimer	Kerswap	Morris_Gilbert				
OldTimer	Panther	Shultz			46	
Antique	Bomber	Lanzo_Cheta			45	Pylon
Antique	MG 2	Granai			51.75	
Rubber	1938 Moffett Trophy Winner	Nelder_Roy	Air Trails 1938		47	
Rubber	Lanzo Nationals State Winner	Lanzo_Cheta	Model Builder		55	
OldTimer	Strato Streak	Garami_Louis			39	
OldTimer	Westerner (Foote)	Foote_Donald	?	?	85	Pylon
Rubber	Coup d'Hiver	Garnham			52	
Rubber?	Big 300sq in	Hibberson_Dave			57.5	Wakefield
Gas Other	Nig Nog	Smith_TM	Aero Modeller		66	Pylon
Rubber	Westland Lysander	Paul Plecan	?		37	
OldTimer	New Ruler	Struck_Henry			74	Cabfus
Scale	Missel Thrush	Riding_EJ	Model Aircraft	?	36	Bipe
Glider	Seraph	Butler_DC	Aero Modeller		64	
Scale	Luton Minor	Fearnley_E	Aero Modeller		43	Cabane
Antique	Cumulus	Shereshaw_Ben	FA sep 1937	American Hobby Spec	96	Cabfus
Antique	Flying Quaker	Karnow_Paul		Megow's Gas Model	72	
OldTimer	Buzzard Bombshell	Konefes_Joe	AT Feb 1940	?	72	Cabfus
Antique	Westerner (Foot)	Foote_Donald	Model Craft Hobby Products		?	85 Pylon
Rubber	Ladybird	Pridmore_HJ	Aero Modeller		34	Bipe
Gas Other	Piece O Cake	Williams_Tom		craft air	72	
Nostalgia	Scalded Kitten	Annenberg_RWH	Aero Modeller		27	
OldTimer	Gnat	McCullough_Claude			40	
Antique	Flamingo	Hammer_Roger			89	
Glider	Breguet 901	Millon_A	Aero Modeller		67.5	
Gas Other	DH Cirrus Moth	Watters_JH			30	Bipe
OldTimer	Vulcan	Russell_DA	Aero Modeller	?	99	Cabfus
Scale	Westland Lysander	Boys_Howard	Aero Modeller	?	50	
OldTimer	Westerner (Foot)	Foote_Donald	?	?	88.75	Nocabfus
Gas Other	Rascal R/C	Hellenberg_Chuck			27	Cabfus
Gas Other	Viking	Goldberg_Carl	?	?	48	Pylon
Rubber	Hurry Up	Zaic_Frank				Cabfus
Scale	DH 88 Comet Grosvener House		Roninson redraw Sep 197244			Cabfus
Scale	DH 88 Comet	Last_J	Aero Modeller		29.25	
Scale	Bucker Jungmeister					
Scale	Super Marine S6B					
Category	Model Name	Designer	Publisher	Kitter	Span dev	Type
Scale	Macchi castoldi MC 72					
Scale	Pitts S-2A Special				20	Bipe
Glider	Soarers digest		Ferdinando_Gale			
Nostalgia	Flying Pencil 78	King_Alana	Aeromodellers Annual		78	Pylon
Antique	Big Gull	Davis_Winnie			152	Nocabfus
Antique	Streamlined Cyclone	Jeffery_Bob	ZAIC 1938 pp145	?	82	Nocabfus
Antique	Turner Special 55%	Turner	MAN May 1936	?	46	1/2A of F/S
Antique	Racer Scaled 32%	Lanzo Chet	1936	?	51	Nocabfus
Antique	Bomber 55%	Lanzo Chet	1938	?	50	Pylon
Antique	Racer Scaled 60%	Lanzo Chet	1936	?	87	Nocabfus
Antique	Racer Scaled 55%	Lanzo Chet	1936	?	79	Nocabfus
Antique	Miss America 49%	Zaic_Frank	1935	Scientific	41	Cabfus
OldTimer	Buzzard Bombshell 58%	Konefes_Joe	1941	?	41.5	Cabfus
Antique	Vee Tailed Swallow 30%	Lowe_Ralph	1937	?	24.5	Nocabfus
Antique	Thermal Magnet 65%	Heit_Ray	Mdl. Builder Sep 1987	Bay Ridge	47	Cabfus
Scale	Bellanca Columbia	Hodges_Dan	MAN April 1953	?	42.5	Cabfus
OldTimer	Brooklyn Dodger 62.5%	Taibi_Sal	?	?	45	Cabfus
Antique	Dallaire Sportster 43.5%	Dallaire_Frank			47	Cabfus
Scale	Blue Bird	Robertson_Speed	Jimmy Allen	Counry Club Aero supply	38	Cabfus
OldTimer	Varsity	Scientific	?	Scientific Models	50	Cabfus

SAM 600 Contest Calendar 2003/2004

(Note: Contests start at 10:00am unless otherwise stated).

July 6th 2003	17th Roy Robertson Memorial Trophy	P&DARCS
Sunday 6th	Texaco & Duration	
September 13th/14th 2003	Couta Cup	Cootamundra
Saturday 13th	Gordon Burford & Duration	SAM 1788
Sunday 14th	1/2A Texaco & Texaco	
October 4th/5th 2003	Eastern States Gas Champs (Cancelled ??? Twin Cities not avail.)	
	Gordon Burford, Duration, 38 Antique,	SAM 1788
	1/2 A Texaco, Texaco *(see page 12 for SAM 1788 rules)	
November 15th/16th 2003	Haddon Oldtimer Fly-in, Ballarat	Haddon
Saturday 15th	1/2A Texaco & Duration	BAM
Sunday 16th	Texaco & Gordon Burford/38 Antique Combo	
January 24th/25th 2004	18th Roy Robertson Memorial Trophy	P&DARCS
February 14th/15th 2004	4th Leopold Annual Fly-in	Leopold WCS
March 6th/7th 2004	Victorian State Champs	NFG Darrawiet Guin VMAA
March 20th/21st 2004	2nd Northern Victorian Champs	Cohuna
April 9th-12th 2004	12th Annual Easter Fly-in Swan Hill	Swan Hill
April 17th-21st 2004	57th MAAA National Champs	WA
Wednesday 21st	Duration & Gordon Burford	
Thursday 22nd	Standard Duration & 1/2A Texaco	
Friday 23rd	Texaco	
May 1st.2nd	South Australian State Old Timer Champs	Monato SA
May 21st-24th 2004	2nd SAM Champs DownUnder	Cootamundra SAM 1788

Contest Calendar Contacts:

Contest Director: Peter Hosking, 03 5248 5461 email: <peterh@webaxs.net>

President: Chris Lawson: 03 5275 8482

Here is an article on cleaning engines and spark plugs with Tri Sodium Phosphate (TCP) that was published in "Flight Lines" (the newsletter of the Aurora Model Aircraft Club in Ontario, Canada).

Downloaded from SAMTalk 12 August 2003.

CLEANING ENGINES - MURRAY'S MIRACULOUS METHOD - IT'S CHEAP!

For those of you who attend meetings, you will recall the method to clean engines and mufflers presented by our former Vice President Frank Panacci. His method was to boil the parts in an electric cooker with antifreeze for about 24 to 48 hours or until the cows come home (he is a farm boy you know).

I have discovered (actually used my acquired knowledge, gained at a 4 year course of chemistry and pharmacology that took me 7 years) a faster and cheaper system and it works on the KISS principle. I had a motor and a muffler that was just ugly with that "deep brown burned-on oil splattered all over it" look. You know the kind.

Disassemble the engine and muffler. Remove any parts that are not aluminum. Go to the store and buy Tri Sodium Phosphate (TSP). It is available at Canadian Tire, Home depot, hardware and probably at groceries stores as a cleaner. Works great to remove paint or soften old paint brushes (as "Dicadoo"). When I used to work for the Toronto Board of Education cleaning toilets etc — we used it. A handful in a bucket of water cleans off mould from fences and decks. Just dissolve in water, let sit, then brush away and hose it down.

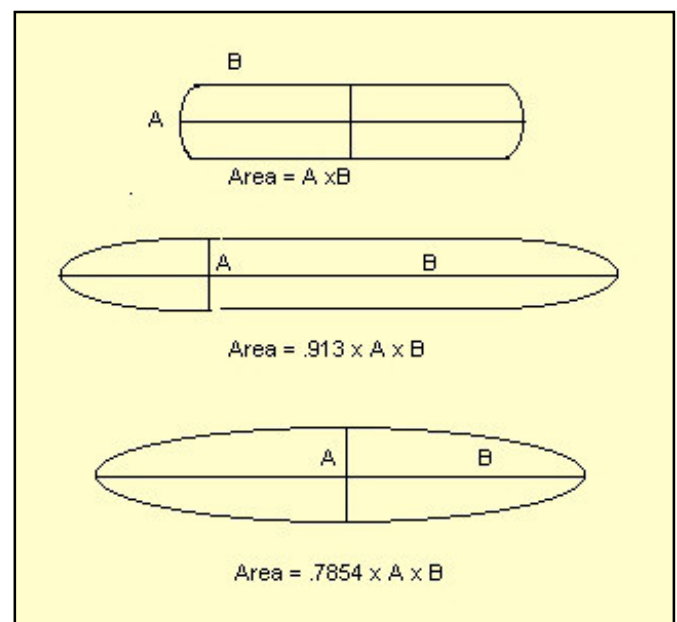
Anyway, take a pot of boiling water, enough to cover the parts and add some TSP (in French TSP is PTS) which will dissolve in the water, and let it simmer for about 10 minutes or so. Actually when I shut off the heat after about 10 - 15 minutes, some spots were still bubbling where the gunk was. If you still see stuff still stuck on then cook it some more. You can use a clean pot of water and another handful of Na_3PO_4 if you like. The gunk starts to float as black spots in the foam.

Now comes the magic! All the parts turn BLACK! Yes ugly black. Fortunately for me (and I hope for you) the black comes off. Wash the parts with some detergent and a brush or one of those 3M scrub pads. All the black comes off - and off your hands too! Examine the part and scrub again or throw it back into the pot and cook again.

Fortunately for me, the pot did not turn black, but came out sparkling new aluminum. (My wife was upset - she liked the pot the way it was!) I even used some on the coffee pot that was brown on the inside and boy is the coffee pot ever clean now! Don't let it boil over if your pot is painted on the outside.

Well, that is the whole secret! It worked for me and I just flew the engine. Took about 1/2 hour for the whole cleaning job. Try it on an old muffler first if you have any doubts.

(From SAMTalk Aug. 11th. Try aircraft coating remover - Tal-Strip II, by Mar-hyde or Permatex gasket remover - strips finishes and primers from aluminum and other metals. Main ingredient methylene chloride. Does not dull aluminum. Works far better than cooking in antifreeze or any other method I have tried. Red S.)



Above is shown the SAM USA method of measuring wing area. Unlike the MAAA Old Timer rules they measure the ACTUAL wing area from the plan. We, in contrast, measure the projected span times the chord halfway out the wing panel. Both give a similar result. Almost.

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The SAM Champs USA 2003 were held at Claremore, Oklahoma from August 24th to August 29th, 2003. By all accounts it was hot, hot, hot. Full Report later. Shown at left is the fine logo designed with an appropriate local Oklahoma theme, an American Indian, otherwise known as a member of the First Nations, (but now referred to as SAM). The image was taken from an old Oklahoma suitcase patch by Janet Roselle (wife of Steve, SAM Western VP) and sent to Dan Hodges who added the Rambler and simplified the design, adding the SAM Champs info in the shield.