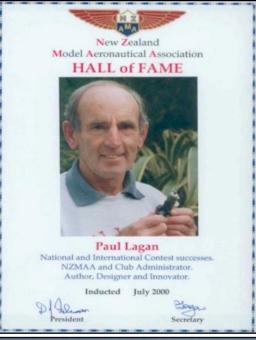
# AVANZ



# NEWS

Newsletter of the Vintage Special Interest Group of Model Flying New Zealand #168











# ATIQUE MODELER HE SOCIETY OF

## In this Issue

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## **COMMITTEE NOTICES**



#### From the Chairman ...

Thank you all who got out and flew this year for your support of vintage flying, it really has been a beaut. It started well with a well supported Nationals then there were the North North island series and various two-day and one-day get togethers at Levin in the South where we now have a number of new fliers and models. NDC was well supported too, particularly in the south down as far as Christchurch. Our part of the hobby is about getting together to enjoy a gentler type competition with older, home built traditional models and to share good company in a relaxed atmosphere. Let's make next year even better. All the best to you and your families over Christmas and for the New Year, and for those of you going to the Nationals. I wish you good luck.

You will all have seen the rules change proposal published in Model Flying World. These changes have been consulted widely then debated in Committee and represent the committees's majority view.

You have the opportunity to vote and a form is included in this AVANZ. It can be posted or Emailed.

The approach has been to make the time targets difficult such that you will need to have a good model and to find and hold lift to make the target. This is different to other vintage classes where an average model, set up and flown properly, can be expected to max. The effect of the propossed rules will be more challenge, fewer maxes, and consequently far fewer flyoffs with a shorter time requirement in most cases.

Allan Knox.

On the Cover: PAUL LAGAN 6 July 1941 - 6 November 2018

Logo: Swandri - see Miscellaneous

**SIG CHAIRMAN:** SIG SECRETARY MFW COLUMNIST: COMMITTEE:

Allan Knox Don Mossop David Crook Graham Main allan.j.knox@gmail.com donmossop@gmail.com chloecat@xtra.co.nz gramain@xtra.co.nz

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Tony Gribble agrib@orcon.net.nz

Wayne Cartwright rwcartwright4@gmail.com

My name is Gary Burrows of the Christchurch Model Aero Club and I wish to make my tribute to a great New Zealander, one I believe is unique in the world as a modeller who has done almost every facet of the hobby to the expert level as witnessed by his results over his life time. I have known Paul for about 60 years and have been amazed by his dedication and achievements in the sport of aero modelling, also his willingness and friendliness to engage with all.

Born in 1941 he was the secretary of the club in 1958 at the age of 17 (a junior) and had already made his mark as he held club records in Hand Launched Glider, A1 Glider, Open rubber, 1 Hour Aggregate, Class 1 Control line speed, and Class A Control Line Team Race. February 1959 saw him resign as Secretary to join the RNZAF as a boy entrant. By 1963 he was again the secretary and editor of the club bulletin and by this time he held a NZ record in Class A Power Rise off Water which has never been beaten and not likely to be with the current state of free flight power. He also still holds the NZ record in Open Glider, nearly 43 minutes, and as recently as 2016 records in Tip Launched Glider, and Catapult Glider (which he took off me).

Paul's ability to produce consistently winning models during his time in the RNZAF was unbelievable. I have seen some of the workshops that he had to use, 6 by 4 foot garden sheds attached to RNZAF houses. You try that you modellers! Paul's competitive nature was witnessed by his 18 year consecutive run as National Champion will not be beaten.

To give you an idea of this competitive drive, after one nationals he and I were driving home when he said that he was going to quieten down those radio aerobatic fliers who reckoned that he wasn't flying real models. Paul said that he was going to take up the challenge just to shut them up. Paul then proceeded to build a "Little Stick" powered by a

OS.15 and flew it every chance he could get (which meant 5 to 7 days a week weather permitting) all the while he was building a fully contest designed aerobatic ship for the next nationals.

He was realistic on his chances of winning first up as his performance was in front of judges and he said that the halo effect of the current champion would be against him even if he flew better. Paul preferred a stop watch to give him his results. He got second - the silence was deafening.

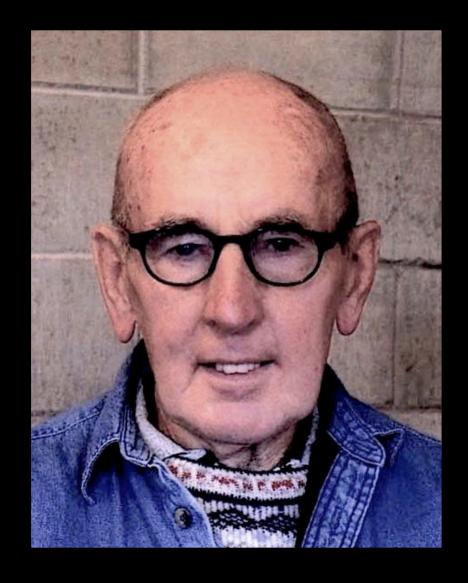
Paul should have been a world champion in at least one of the free flight classes but it was not to be, as he said later "you had to have the little Green Leprechaun on your shoulder" The closest he came was at Goulburn in Australia 1983. In A2 glider he placed second to the American Matt Gewain in a fly off for first. In this case the little green man was missing and a later assessment by Martyn Cowley said that Paul made the mistake of not doing a Americas Cup yachting tactic of covering your opponent's move while you are in a dominant position. If he had done what Martyn suggested he would have won but that was not Paul, he wanted to make sure, and came unstuck by a Auzzie sink hole (and there were many in the flying site) which he stumbled into and caused a premature unlatching of his model.

Paul was a communicator and was known and respected around the world as he met the top competitors of aero modeling at various world champs plus other major world contests - and he certainly went to a lot. A real globe trotter, Paul always kept up with all the latest trends by this ability to communicate

Paul also designed many models some of which are *Papanui Tavern* HLG, *Kiwi 2* A2 glider, *18 Tons* Power model, *Inglefinger* RC Soarer, *Rasputin* Wakefield. Paul loved the little book "Jonathan Livingston Seagull" which I think epitomized his way of thinking – rise above the aero modeling flock by trying and testing himself to the limit He considered writing a sequel called "Menacing Martha Magpie" - humorous of course, and might have had something to do with his time in Australia.

His administrative roles were many: organizing Nationals and Trans Tasman events, NZMAA secretary, Club executive positions in a number of clubs as he moved around the country with his job. Writing and producing the South Island News, later Radio Control News, getting Vintage modelling going with AVANZ (Association of Vintage Aeromodellers NZ inc), plus FFONZ (Free Flighters of NZ). He was always thinking and promoting all aspects of aero modelling. His awards include Life Member of both the CMAC and NZMAA, Halls of fame in NZ and Australia, and the very prestigious FAI Alphonse Pernaud Diploma

Now, to those competitive modelers who have gone before, and there are a lot - you will need to lift your game ... Master Modeller Lagan is coming. The competition is going to get tougher!



## **FUTURE EVENTS**

02 - 07	January 2019 <i>Nationals</i>	Waharoa
16 - 17	February 2019 <i>Bob Burling</i>	Levin
23 - 24	February 2019	Tuakau
ТВА	March 2019 North Island Ch	Levin namps
20 - 21	April 2019	Airsail
11 - 12	May 2019 <i>Gareth Newton</i>	Levin
18 - 19	May 2019	Tuakau
27 - 28	Sept 2019 John Selby Mei	Levin <i>morial</i>

### NATIONALS VINTAGE PROGRAMME

Vintage	All events entry fee \$5				
RCV01 RC Vintage A Texaco	RC 3	2	9.00am	4.00pm	
RCV02 RC Classical Precision	RC3	2	9.00am	4.00pm	
RCV03 RC Vintage IC Duration	RC 3	2	9.00am	4.00pm	
RCV04 RC Classical E Texaco	RC3	2	9.00am	4.00pm	
RCV05 RC Classical 1/2 E Tex	RC 3	2	9.00am	4.00pm	
RCV06 RC Vintage 1/2 A Texaco	RC 3	2	9.00am	4.00pm	
RCV07 RC Vintage E Duration	RC 3	3	9.00am	4.00pm	
RCV08 RC Vintage 1/2 E Texaco	RC 3	3	9.00am	4.00pm	
RCV09 RC Vintage E Rubber Tex	RC 3	3	9.00am	4.00pm	
RCV10 RC Sport Cabin Texaco IC	RC 3	3	9.00am	4.00pm	
RCV11 RC Sport Cabin Texaco E	RC 3	3	9.00am	4.00pm	
RCV12 RC Classical E Texaco	RC 3	3	9.00am	4.00pm	
RCV13 RC Vintage Open Texaco	RC 3	4	8.00am	2.00pm	
RCV14 RC Vintage E Texaco	RC 3	4	8.00am	3.00pm	
RCV15 RC Classical IC Duration	RC 3	4	8.00am	3.00pm	
RCV16 RC Classical E Duration	RC 3	4	8.00am	3.00pm	
RCV17 RC Vintage Precision	RC 3	4	8.00am	3.00pm	
RCV18 RC Scale Texaco	RC 3	4	8.00am	3.00pm	
FFV01 FF Vintage Power Duration	FF	5	7.00am	1.00pm	
FFV02 FF Vintage Rubber Duration	FF	5	7.00am	1.00pm	
FFV03 FF Vintage Precision	FF	5	7.00am	1.00pm	
FFV04 FF Nos/Vint Small Pwr Dur	FF	6	7.00am	1.00pm	
FFV05 FFClassic Glider/A2 Comb	FF	6	7.00am	1.00pm	
FFV06 FF Vintage Glider Duration	FF	6	7.00am	1.00pm	
FFV07 FF Nos/Class Pwr Dur Comb	FF	7	7.00am	1.00pm	
FFV08 FF Nostagia Rubber	FF	7	7.00am	1.00pm	
FFV09 FF Vintage Catapult Glider	FF	7	7.00am	1.00pm	

## REMITS FOR RULE CHANGES as presented in MFW December 2018

Propo	for Rules change sed Electric Texaco rule text with changed Text in Red. ss go to Wayne Cartwright for much of the work on this)	
differen	rough lord san Ragtory retraight was been ted this Wall.	5.6.7
5.4.1	C Vintage 1/2E Texaco  Eligible models are from the Vintage period (see Rule	5.6.8
3.4.1	2.1.2). They are Power Model free flight designs and	5.6.9
	1.1.2). They are Power Model free liight designs and 1.1.2 inches a sileron control.	5.6.10
5.4.2	All Radio Control General Rules (see Section 2) apply,	
	except 2.1.6.	5.6.11
5.4.3	Maximum wing area is 310 sq in and minimum wing	
00	area is 180 sq in.	
5.4.4	Minimum wing loading is 6 oz/sq ft.	5.7.1
5.4.5	Drive battery chemistry is LiPo.	0.6151
5.4.6	The drive battery has maximum manufacturer's rated	
0.4.0	battery capacity of either 180 mah if 2 cells are in series	
	(2S), or 125 mah if 3 cells are in series (3S).	5.7.2
5.4.7		5.7.2
5.4.7	The motor may be stopped and started in flight and its	5.7.3
F 4 0	speed may be adjusted.	5.7.5
5.4.8	Age bonus does not apply.	E 7 1
5.4.9	Landing bonus applies (see Rule 2.3.5).	5.7.4
5.4.10	35 5	5.7.5
	point per second up to 840 maximum flight time, with	5.7.6
	landing bonus added up to a maximum of 860.	
5.4.11	If scores are tied, fly-off has no maximum and landing	
	bonus applies. (See Rule 2.3.10 for NDC fly-offs.)	5.7.7
		F 7 0
	Vintage E Texaco	5.7.8
5.5.1	Eligible models are from the Vintage period (see Rule	5.7.9
	2.1.2). They are Power Model free flight designs and	5.7.10
	IC-powered designs originally intended for RC without	F 7 44
Lieux :	aileron control.	5.7.11
5.5.2	All Radio Control General Rules (see Section 2) apply.	
5.5.3	Minimum wing area is 300 sq in.	5.7.11
5.5.4	Drive battery chemistry is one of LiPo, LiFePo, and	
	NiMH.	
5.5.5	Maximum manufacturer's rated battery capacity for the	5.8 RC
	drive battery is:	5.8.1
	for LiPo cells: 1.8 x WA/S mah	
	for LiFePo cells: 2.1 x WA/S mah	
	for NiMH cells: 5.5 x WA/S mah	
	where WA is wing area in sq in and S is number of cells	5.8.2
	connected in series.	5.8.3
5.5.6	The motor may be stopped and started in flight and its	5.8.4
0.0	speed may be adjusted.	5.8.5
5.5.7	Age bonus does not apply.	
5.5.8	Landing bonus applies (see Rule 2.3.5)	
5.5.9	Score is aggregate of 2 flights, each scored as one point	
0.0.9		
	per second up to 1080 maximum flight time, with	
E E 40	landing bonus added up to a maximum of 1100.	
5.5.10	If scores are tied, fly-off has no maximum and landing	506
	bonus applies. (See Rule 2.3.10 for NDC fly-offs.)	5.8.6

5.6.1	Vintage E Rubber Texaco Eligible models are from the Vintage period (see Rule	5.8 5.8
	2.1.2). They are Rubber Model free flight designs (Rule 2.1.1).	see
5.6.2	Radio Control General Rules (see Section 2) ap except Rules 2.1.6 and 2.1.10 which do not apply.	ply
5.6.3	There is no minimum wing loading.	
5.6.4	Propeller design is at the discretion of the contest. Propellers have either one or two blades and may freewheel, or remain fixed when the motor is stopped	old
5.6.5	Drive battery chemistry is one of LiPo, LiFePo, a NiMH.	
5.6.6	Maximum manufacturer's rated battery capacity for drive battery is:	the
	for LiPo cells: 1.8 x WA/S mah	
	for LiFePo cells: 2.1 x WA/S mah	
	for NiMH cells: 5.5 x WA/S mah	
	where WA is wing area in sq in and S is number of connected in series.	ells
5.6.7	The motor may be stopped and started in flight and speed may be adjusted.	d its
5.6.8	Age bonus does not apply.	
5.6.9	Landing bonus applies (see Rule 2.3.5).	
5.6.10	Score is the aggregate of 2 flights, each scored as a point per second for an unlimited flight time, with land bonus added	
	If scores are tied, that is the result.	

#### 5.7 RC Classical 1/2E Texaco

- 5.7.1 Eligible models are from the Classical period (see Rule 2.1.2). They are Power Model free flight designs and IC-powered designs originally intended for RC without aileron control.
- All Radio Control General Rules (see Section 2) apply, except 2.1.6.
- 5.7.3 Maximum wing area is 310 sq in and minimum wing area is 180 sq in.
- 5.7.4 Minimum wing loading is 6 oz/sq ft
- 5.7.5 Drive battery chemistry is LiPo.
- 5.7.6 The drive battery has maximum manufacturer's rated battery capacity is either 180 mah if 2 cells are in series (2S), or 125 mah if 3 cells are in series (3S).
- 5.7.7 The motor may be stopped and started in flight and its speed may be adjusted.
- 5.7.8 Age bonus does not apply.
- 5.7.9 Landing bonus does not apply.
- 5.7.10 Model is required to land within the boundaries of a field defined by the CD.

- 5.7.11 Score is aggregate of 2 flights, each scored as one point per second up to 840 maximum flight time.
- 5.7.11 If scores are tied, fly-off has no maximum. (See Rule 2.3.10 for NDC fly-offs.)

#### 5.8 RC Classical E Texaco

- 5.8.1 Eligible models are from the Classical period (see Rule 2.1.2). They are Power Model free flight designs and IC-powered designs originally intended for RC without aileron control.
- 5.8.2 All Radio Control General Rules (see Section 2) apply.
- 5.8.3 Minimum wing area is 300 sg in.
- 5.8.4 Drive battery chemistry is one of LiPo, LiFePo & NiMH.
- 5.8.5 Maximum manufacturer's rated battery capacity for the drive battery is:

for LiPo cells:

for LiPo cells:

for LiFePo cells:

for NiMH cells:

where WA is wing area in sq in and S is number of cells connected in series.

- 5.8.6 The motor may be stopped and started in flight and its speed may be adjusted.
- 5.8.7 Age bonus does not apply.
- 5.8.8 Landing bonus does not apply.
- 5.8. Model is required to land within the boundaries of a field defined by the CD.
- 5.8.10 Score is aggregate of 2 flights, each scored as one point per second up to 1080 maximum flight time.
- 5.8.11 If scores are tied, fly-off has no maximum. (See Rule 2.3.10 for NDC fly-offs.)

## REMITS FOR RULE CHANGES Voting

#### Voting

Please think about these changes and vote....either for or against. Do nothing and you will get what you get. 75% in favour is required to get them adopted permanently.

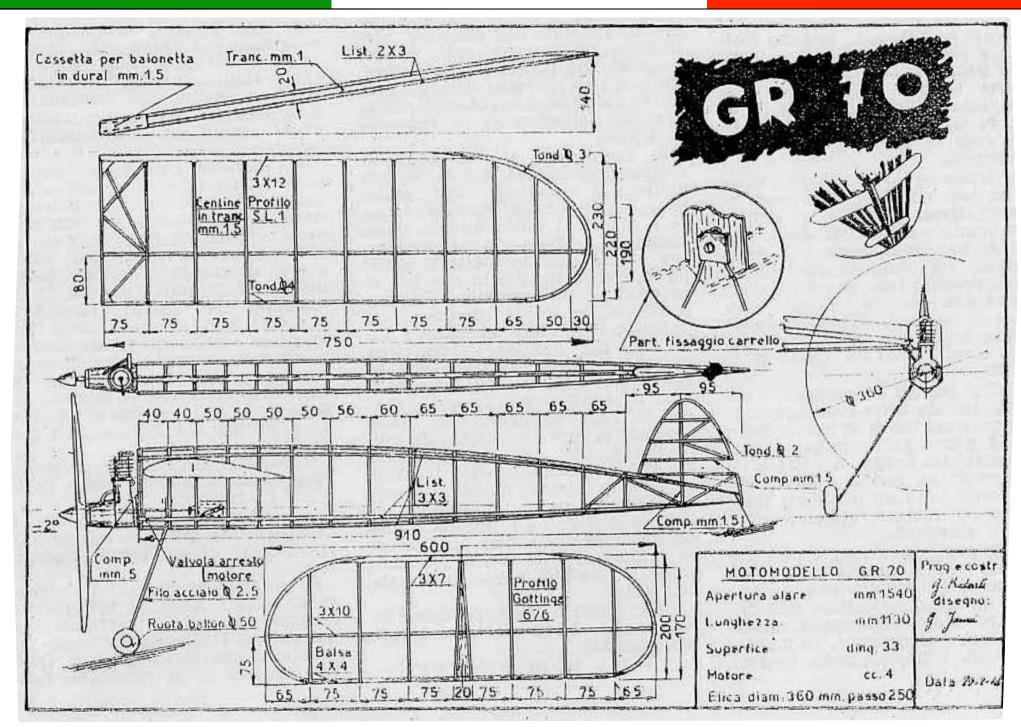
To be valid, your vote must be posted or emailed to the MFNZ Secretary within 2 months of date of publication of this MFW.

#### Please send to

Jonathan Shorer, 21 Emma Drive, RD31, Levin 5573 or Email secretary@modelflyingnz.org

**Voting Form** (place an X in the box to the right of your preferred voting statement to record your vote and complete the personal details block))

5.4 RC Vintage 1/2E Texaco	for Remit	against Remit	
5.5 RC Vintage E Texaco	for Remit	against Remit against Remit against Remit against Remit	
5.6 RC Vintage E Rubber Texaco	for Remit		
5.7 RC Classical 1/2E Texaco	for Remit		
5.8 RC Classical E Texaco	for Remit		
Name Membership Number Email address Phone Number			



## **COVER STORIES**





Vintage Precision	2017 A Knox	800	Vintage Open Texaco	2018 B Treloar		Vintage 1/2A Texaco	2018 A Knox	3333
1 J Shorer	Bob Burling	800	1 B Treloar	Levin	3543	1 A Knox	Bob Burling	3333
2 B Treloar	Levin	799	2 B McGrath	Levin	2958	2 K Trillo	Champs	1500
2 J Ryan	Tuakau	799	3 W Summereton	Levin	2764	3 J Butcher	Tuakau	1403
4 B Russell	Levin	798	4 A Knox	Levin	2484	4 J Ryan	Tuakau	1040
4 W Summereton	Levin	798	5 T Glogau	Levin	1674			
6 D Squires	Airsail	797	6 K Trillo	Champs	1596	Classical E Duration 2	2018 W Cartwright	t 1500
7 A Knox	Levin	796	7 S Cox	Bob Burling	1521	1 W Cartwright	Champs	1500
8 D Mossop	Airsail	791	8 I Munro	Bob Burling	1423	2 B Russell	Levin	940
8 D Gush	Airsail	791	9 J Butcher	Tuakau	909	3 B Harris	Airsail	900
10 J Bradbury	Bob Burling	773				4 D Mossop	Airsail	854
			Vintage 1/2E Texaco	2017 K Trillo	3415	5 T Gribble	Airsail	823
Vintage IC Duration	2014 R Anderson	1308	1 K Trillo	Champs	2911	6 D Crook	Airsail	803
1 A Knox	Levin	1177	2 J Butcher	Tuakau	2890	7 G Main	Airsail	688
2 S Cox	Levin	1109	3 A Knox	NDC 122	2487	8 D Squires	Champs	529
3 G Meads	Airsail	777	4 W Cartwright	Airsail	2476	9 T Gribble	Tuakau	266
4 B Treloar	Nationals	757	5 B Spenser	Airsail	2188	10 D Gush	Champs	223
5 J Millar	NDC 116	774	6 J Shorer	Levin	2154		•	
6 W Summerton	Levin	770	7 B Russell	Champs	1480	Classical 1/2E Texaco	2017 B Scott	2864
7 D Thornley	Airsail	744	8 D Crook	Airsail <sup>.</sup>	1460	1 T Gribble	Airsail	2449
8 K Trillo	Nationals	727	9 R Anderson	Nationals	1440	2 J Butcher	Champs	2439
9 D Gush	Airsail	787	10 B Robinson	Champs	1414	3 W Cartwright	Champs	2388
10 R Anderson	Nationals	614				4 G Main	Airsail	1915
						5 D Crook	Tuakau	1260
Vintage E Duration	2018 B Harris	1560	Vintage E Texaco 20	12 W Cartwright	3325			
1 B Harris	Airsail	1560	1 K Trillo	Champs	2908	Sports Cabin E-Texaco	2018 J Butcher	2470
2 A Knox	Levin	1494	2 W Cartwright	Airsail	2853	1 J Butcher	Airsail	2470
3 D Mossop	Airsail	1306	3 B Russell	Levin	2805	1 T Gribble	Champs	1400
4 K Trillo	Nationals	960	4 D Crook	Airsail	2805	2 B Russell	Champs	1036
5 W Cartwright	Airsail	956	5 J Butcher	Airsail	2671	3 K Trillo	Champs	975
6 S Lightfoot	Airsail	950	6 T Gribble	Champs	2591	4 B Robinson	Champs	960
7 S Hubbard	Levin	940	7 Stan Nicholas	Levin	2528	5 D Crook	Champs	843
8 J Butcher	Champs	900	8 D Squires	Airsail	2031		•	
9 B Russell	Champs	869	9 A Knox	Nationals	1860	V E-Rubber Texaco	2018 J Butcher	4001
10 B Robinson	Champs	832	10 A Macdonald	Airsail	1857	1 J Butcher	Airsail	4001
						2 W Cartwright	Airsail	3225
Classical IC Duration	2017 D Thornley	1501	Classical Precision	2016 B Harris	598	3 D Gush	Airsail	3001
1 D Thornley	Airsail	650	1 D Thornley	Airsail	591	4 K Trillo	Champs	2979
2 J Ryan	Tuakau	575	2 D Mossop	Champs	591	5 D Crook	Tuakau	2835
			3 D Squires	Champs	569	6 T Gribble	Tuakau	2503
Vintage A Texaco	2018 A.Knox	3780	4 B Harris	Airsail	563	7 D Squires	Nationals	1860
1 A Knox	NDC 122	3780	5 G Main	Airsail	548	7 A Knox	Nationals	1860
2 B Treloar	Bob Burling	1892	6 J Butcher	Nationals	544	6 T Gribble	Airsail	1860
3 B McGrath	NDC 122	1777	7 B Russell	Champs	528			
4 I Munro	Bob Burling	1554	. 2	311411190		Vintage Scale Texaco	2017 A.Knox	2232
5 J Butcher	Airsail	1332	Tomboy E	2014 S.Grant	1935	ago odalo londoo	2011 AIRTION	
6 W Summerton	Levin	722	1 K Trillo	Airsail	1680	Tomboy IC 20	015 R.Anderson	1432
5 W Guillille LOIT	LUVIII	1 EE		, III Juli	1000			1702
			2 D Squires	Airsail	890		710 71171111111111111111111111111111111	

AVANZ NEWS December 2018

CATAPULT GLIDER	2012 J.Butcher	339			
<ol> <li>D Richards</li> </ol>	Nationals	288	SMALL POWER	2016 B.Scott	t <i>353</i>
2. A Knox	Levin	280	<ol> <li>C Murphy</li> </ol>	Nationals	275
<ol><li>J Butcher</li></ol>	Nationals	242	2. S Cox	Nationals	257
4. D Warner	Nationals	240	3. R Bain	Nationals	247
<ol><li>K Fisher</li></ol>	Nationals	217	4. J Butcher	Nationals	231
6. A Graves	Nationals	198	<ol><li>R Anderson</li></ol>	Nationals	116
7. J Warner	Nationals	150			
8. S Warner	Nationals	143			
9. D Ackery	Nationals	69	NOS FF RUBBER	McGarvey / Scott	
10. S Cox	Nationals	64	<ol> <li>P Squires</li> </ol>	Nationals	510
			2. B Cox	Nationals	426
			3. C Murphy	Nationals	180
			4. B Gibson	Nationals	38
VINTAGE FF POWER	Anderson/Bain/Scot	t 540			
<ol> <li>Rex Anderson</li> </ol>	Nationals	540	VINTAGE FF RUBBER	R McGarvey / Koerbin	540
2. R Bain	Nationals	534	<ol> <li>P Squires</li> </ol>	Nationals	480
3. J Butcher	Nationals	283	2. W Lightfoot	Nationals	432
			<ol><li>G Lovejoy</li></ol>	Nationals	311
			3. B Gibson	Nationals	311
			<ol><li>C Murphy</li></ol>	Nationals	103
			<ol><li>J Dowling</li></ol>	Nationals	59
<b>NOSTALGIA FF POW</b>	ER Bain / Scott	<i>540</i>	7. J Butcher	Nationals	12
1. R Bain	Nationals	540			
2. R Anderson	Nationals	403			
<ol><li>B Gibson</li></ol>	Nationals	281	CLASSIC / A2 FF GLI	DER <i>2015 M.Evans</i>	s 470
<ol><li>P Wilson</li></ol>	Bob Burling	183	<ol> <li>R Anderson</li> </ol>	Nationals	446
5. S Cox	Nationals	65	2. M Evans	Nationals	317
			<ol><li>B Gibson</li></ol>	Nationals	263
			4. M Vincent	Nationals	254
VINTAGE FF GLIDER	2018 R.Anderson	436	PRECISION	2014 G.Burrows	411
<ol> <li>R Anderson</li> </ol>	Nationals	436	1. S Cox	Nationals	200
2. S Wade	Nationals	309	2. A Graves	Nationals	157
3. S Cox	Nationals	266	<ol><li>K Fisher</li></ol>	Nationals	109
4. M Evans	Nationals	265	<ol><li>J Dowling</li></ol>	Nationals	74
5. P Evans	Nationals	141	<ol><li>C Murphy</li></ol>	Nationals	59
<ol><li>K Fisher</li></ol>	Nationals	112	<ol><li>P Wilson</li></ol>	Bob Burling	39
7. J Butcher	Nationals	60	7. J Butcher	Nationals	14

## REAL VINTAGE!



## **MISCELLANEOUS**



#### ICON 168: Hamilton Jetboat

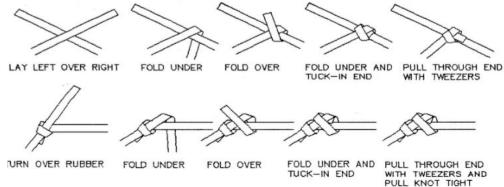
**Sir Charles William** "**Bill**" **Feilden Hamilton** OBE (26 July 1899 – 30 March 1978) was a New Zealander who developed the modern jetboat, and founded what is now the world's leading water jet manufacturing company - CWF Hamilton Ltd.

Hamilton never claimed to have invented the jet boat. He once said "I do not claim to have invented marine jet propulsion. That honour belongs to a gentleman named Archimedes, who lived some years ago". What he did was refine the design enough to produce the first useful modern jet boat.

In the 1950s Hamilton set out to try to build a boat that could navigate the shallow fast flowing rivers where he lived. The rivers were too shallow for propeller driven boats to navigate as the propeller would hit the river bottom.

He investigated the American Hanley Hydro-Jet, a model which drew in water and fired it out through a steerable nozzle underneath the boat. Even when further adapted it did not work well. An employee suggested moving the nozzle to just above the waterline.

When he took one of his early demonstration jet boats to the United States, the media scoffed at his plan to take it up the Colorado River, but in 1960 three Hamilton jet boats, the Kiwi, Wee Red and Dock, became at that time the first and only boats to travel up the Grand Canyon. Critics were silenced even before then when the boats went down river through the Grand Canyon to cache petrol prior to the uprun - the Grand Canyon trip involved logistics for 2,500 gallons of fuel.



ANOTHER KNOT FOR TYING LUBRICATED RUBBER

