

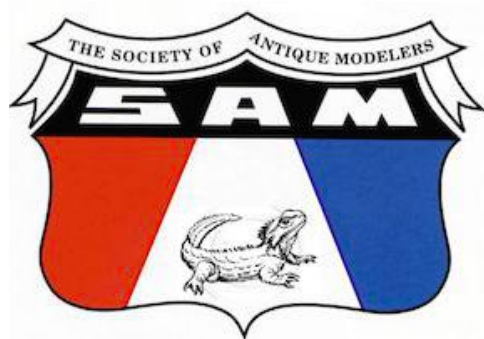
# AVANZ



# NEWS

Newsletter of the Vintage Special Interest Group of Model Flying New Zealand #175





# COMMITTEE NOTICES



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Allan Knox  
SAM 2001 "L'Aquilone"  
Angus Macdonald  
Barrie Russell  
Paul Lagan

*On the Cover:* Chris Murphy launches his rubber model then dashes for binoculars.  
*Logo:* Tuatara. See Miscellaneous page

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# FUTURE EVENTS

# 2020 Vintage NDC

## RC

January 2020	105	VINT	RC Classical 1/2E Texaco
January 2020	106	VINT	RC Classical E Texaco
January 2020	107	VINT	RC Classical Precision
February 20	112	VINT	RC Vintage 1/2A Texaco
February 20	113	VINT	RC Vintage E Rubber Texaco
February 20	114	VINT	RC Classical IC Duration
March 2020	117	VINT	RC Vintage IC Duration
March 2020	118	VINT	RC Vintage E Duration
March 2020	119	VINT	RC Classical E Duration
April 2020	122	VINT	RC Vintage 1/2E Texaco
April 2020	123	VINT	RC Vintage A Texaco
April 2020	124	VINT	RC Vintage E Texaco
May 2020	128	VINT	RC Vintage and Classical Scale Texaco
May 2020	129	VINT	RC Vintage Open Texaco
June 2020	134	VINT	RC Vintage Precision
June 2020	135	VINT	RC Vintage E Duration
July 2020	137	VINT	RC Vintage and Classical Scale Texaco
July 2020	138	VINT	RC Classical Precision
July 2020	139	VINT	RC Sport Cabin IC Texaco
July 2020	140	VINT	RC Sport Cabin E Texaco
August 2020	141	VINT	RC Vintage IC Duration
August 2020	142	VINT	RC Vintage E Texaco
August 2020	143	VINT	RC Classical E Duration
August 2020	144	VINT	RC Vintage Precision
September 20	147	VINT	RC Vintage 1/2A Texaco
September 20	148	VINT	RC Vintage A Texaco
September 20	149	VINT	RC Sport Cabin IC Texaco
September 20	150	VINT	RC Sport Cabin E Texaco
October 2020	153	VINT	RC Vintage Open Texaco
October 2020	154	VINT	RC Classical 1/2E Texaco
October 2020	155	VINT	RC Classical E Texaco
November 20	158	VINT	RC Vintage E Rubber Texaco
November 20	159	VINT	RC Vintage 1/2E Texaco
November 20	160	VINT	RC Classical IC Duration

## FF

January 2020	102	VINT	Vintage FF Precision
January 2020	103	VINT	FF Vintage Glider Duration
January 2020	104	VINT	FF Nostalgia Glider Duration
February 2020	108	VINT	FF Vintage Power Duration
February 2020	109	VINT	FF Nostalgia Power Duration
February 2020	110	VINT	FF Nostalgia Rubber Duration
February 2020	111	VINT	FF Classic Rubber Duration
March 2020	115	VINT	FF Classic Glider Duration
March 2020	116	VINT	FF Vintage Rubber Duration
April 2020	120	VINT	FF Nostalgia 1/2A/ Min Replica
April 2020	121	VINT	FF Classic Power Duration
April 2020	122	VINT	RC Vintage 1/2E Texaco
May 2020	125	VINT	FF Vintage Precision
May 2020	126	VINT	FF Vintage Power Duration
May 2020	127	VINT	FF Nostalgia Rubber Duration
June 2020	130	VINT	Vintage FF Hand Launch Glider
June 2020	131	VINT	Vintage FF Catapult Glider
June 2020	132	VINT	FF Nostalgia Power Duration
June 2020	133	VINT	FF Classic Rubber Duration
July 2020	136	VINT	FF Nostalgia Glider Duration
September 2020	145	VINT	FF Nostalgia 1/2A Min Replica
September 2020	146	VINT	FF Classic Power Duration
September 2020	147	VINT	RC Vintage 1/2A Texaco
September 2020	148	VINT	RC Vintage A Texaco
September 2020	149	VINT	RC Sport Cabin IC Texaco
September 2020	150	VINT	RC Sport Cabin E Texaco
October 2020	151	VINT	FF Vintage Hand Launch Glider
October 2020	152	VINT	FF Vintage Catapult Glide
October 2020	153	VINT	RC Vintage Open Texaco
November 2020	156	VINT	FF Vintage Glider Duration
November 2020	157	VINT	FF Classic Glider Duration





We had a great time. Levin turned on ideal conditions on Saturday but Sunday was a challenge under a low cloud base into which models disappeared from time to time. Down elevator usually fixed things. The turn out was lighter than some we have had but it was a pretty sociable event with Jonathan again looking after the BBQ. Plenty of cake and coffee too. We even put in some results mixed with plenty of just flying around. Ross Gray came along with his big lens and got some great shots. More to come I'm hoping as Ross gets into the hobby. Barry Hall, a gliding mate from WMAC, flew his first precision event with a Buzzard Bombshell from Trevor G. He did very well, proving that all the glider competition he does sets him up well for spot landings, on time, in vintage.

*Allan has been a consistent correspondent on Vintage activity at Levin, much of which has been instigated and encouraged by his enthusiasm. Allan's relocation to Christchurch will end his Levin reports, but we can look forward to Vintage activity in ChCh surging as he unleashes his organisational talent on the unsuspecting Southerners. Thanks, Allan. Editor*



## Vintage Precision (no one got 3 landings!)

Allan Knox Lancer 1938	589
Barry Hall Buzzard Bombshell 1940	587
Bryan Treloar Red Zeph 1936	584
Jonathan Shorer Junior 60	579
Stu Hubbard Junior 60	559
Stew Cox New Ruler Radio issue.	DNF

## Open Texaco

Allan Knox Lancer 45 1938	2688
Bryan Treloar Lanzo Airborne 1938	1840
Terry Beaumont Lanzo Bomber 1938	1423
Trev Glogau Falcon 1949	DNF 593

## Vintage E Duration

Allan Knox Scram 1938	938
Jonathan Shorer Viking 1940	935
Stu Hubbard Cleveland Cloudster 1941	809
Barry Hall Buzzard Bombshell 1940	412

## A Texaco

Allan Knox Lancer 1938	2657
Bryan Treloar Lanzo Bomber	1860

## Vintage IC Duration

Shereshaw Cumulus 1937	766
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## Vintage 1/2E Texaco NDC

Allan Knox Lancer 45 1938	1139
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## E Rubber Texaco NDC

Allan Knox Dart Senior 1937	2030
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Bob McGrath fought a battle that started with prostate cancer, for ten years I believe. His funeral was on 26th November and was one of the biggest, attended by many of the WMAC. He is fondly remembered by friends and family for his many and varied achievements across a wide range of interests. Full size power and glider flying. Para and hang gliders, Fishing. Motor cycling. Bob was a skilled educator in civil engineering and had a general can-do-everything skill set around home as well

In recent years he joined with us in flying Vintage, mostly at Levin. The picture is of Bob with his Bomber. This was actually a 2nd-hand ARF and was falling apart. Bob stripped it and rebuilt to a much higher standard - then he flew it beautifully. Like many of the Levin group he loved the challenge of Open Texaco,.

Bob was a darn good pilot and expert builder as all who knew him recognised. He was good company on the field and cheerful despite his discomfort. Great attitude.

At his funeral we said good-bye to a good friend. Those who said a few words did it very well ... and, they were right! He really was a Good Bugger and a Mate.

*Allan Knox*





## Vintage SIG Tuakau Rally

Vintage flyers practising  
Cervical Vertebrae Exercise #5

**Contestant Model Points**

### Vintage Precision

J Ryan	Coronet	600
T Gribble	Miss FX	595
D Mossop	Lanzo Bomber	586
D Little	Simplex	531

### Vintage IC Duration

J Ryan	Coronet	525
D Little	Simplex	267

### Vintage E Duration

D Mossop	Playboy	960
T Gribble	Stardust Sp.	768

### Vintage A Texaco

C Warren	So Long	1519
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### Vintage 1/2A Texaco

J Ryan	Coronet	1097
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### Vintage 1/2E Texaco

T Gribble	Folly II	358
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### Classical 1/2E Texaco

D Crook	Hot Dog	1538
B Scott	Jumpin Bean	1456
P Townsend	Glow Worm	867

### Vintage E Texaco

D Crook	Lanzo Bomber	1263
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### Vintage E Rubber Texaco

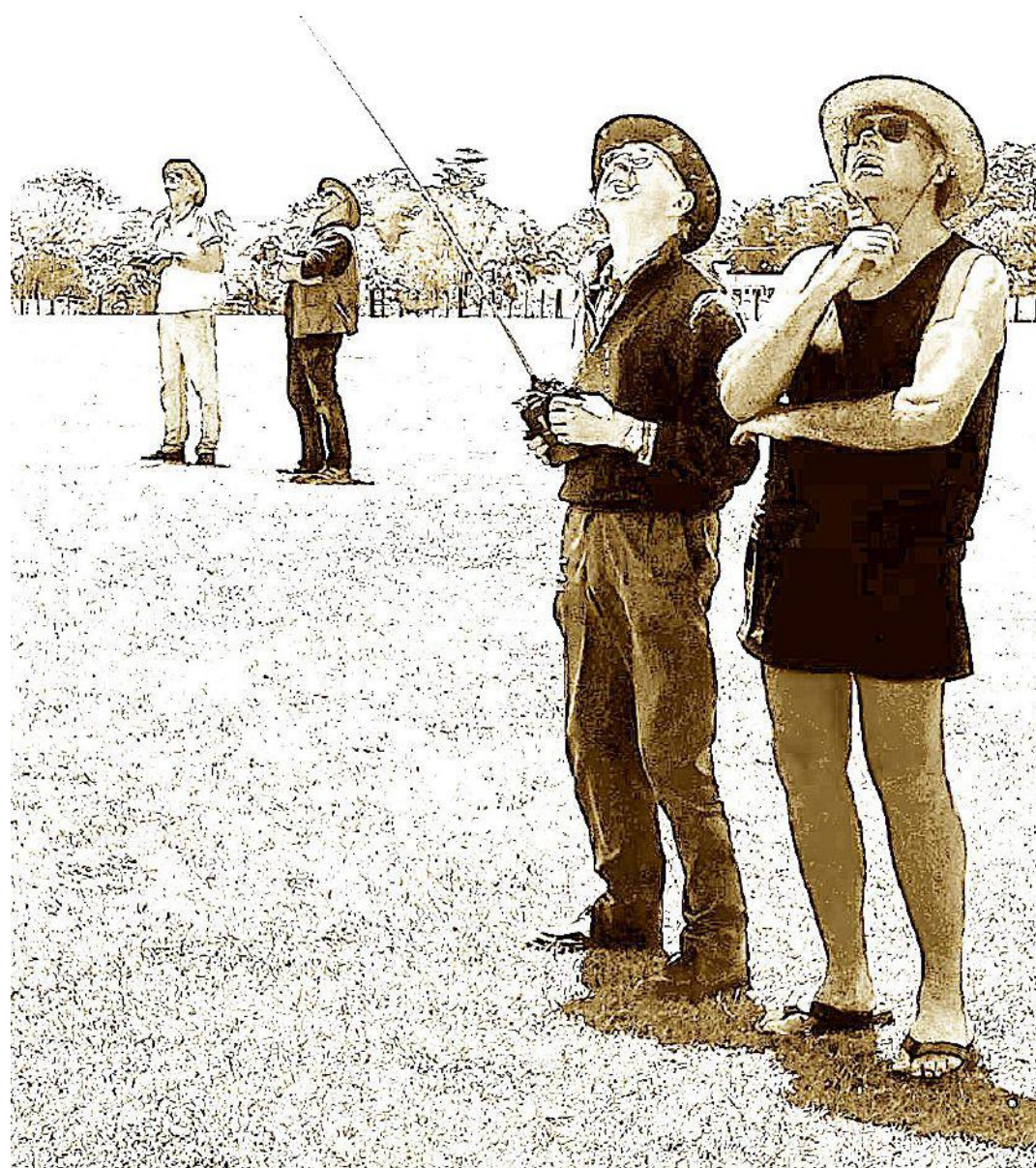
J Butcher	Gollywock	4121
D Crook	Toots	2730
D Gush	Gollywock	2337
T Gribble	Smiths Mulvihill	1944

### Vintage E Texaco Sport Cabin

J Butcher	Tomboy	1730
T Gribble	Karoro	1224

### Tomboy Electric 180mA 2S (2 flights)

J Butcher	1581
D Gush	1559





## FF Vintage Catapult Glider

1. Lovejoy, Graham Mr. (3564) [FMFC]	Vartanian	321	Snr
2. Squires, Paul Mr (3349) [FMFC]	Vartanian	296	Snr
3. Jackson, Dave Mr. (8916) [WRMA]	Vartanian	281	Snr
4. Gush, David Mr (7843) [TKAU]	Vartanian	278	Snr
5. Fisher, Kyla Miss (11558) [TKAU]	Mayn	275	Jur
6. Barnes, Kevin Mr (3590) [HMAC]	Polly	260	Snr
7. Knox, Allan Mr (7621) [WMAC]	Hervat	233	Snr
8. Webby, Tawhai Mr (10912) [WRMA]	Hervat	212	Jur
9. Butcher, John Mr (5704) [TKAU]	Vartanian	206	Snr
10. Ackery, Dave Mr (1001) [AFFC]	Polly	191	Snr
11. Warner, Josh Mr (10485) [WKMA]	Panthos	182	Jur
12. Warner, Daniel Mr (10486) [WKMA]	Hervat	160	Jur
0. Cox, Stewart Mr (4492) [WMAC]		0	Snr

## FF Vintage Rubber Duration

2019-12-31 07:00:00

Placing/Name/(MFNZ No.)/[Club]		Score	
1. Squires, Paul Mr (3349) [FMFC]	RAFF IV	784	Snr 540
2. Scott, Bernard Mr (2320) [HMAC]	Mercury	700	Snr 540
3. Cox, Stewart Mr (4492) [WMAC]	Lamb Climber	539	Snr
4. Lightfoot, Wayne (12104) [FMFC]	Ascender	536	Snr
5. Murphy, Loubna Mrs (10487) [WMAC]	Senator	443	Snr
6. Murphy, Chris Mr (2070) [WMAC]	Korda	365	Snr
7. Gibson, Bryce Mr (4142) [NOCL]	Contester	252	Snr
8. Fisher, Kyla Miss (11558) [TKAU]	Gollywock	91	Jur
0. Dowling, John Mr. (1382) [AFFC]		0	Snr
0. Lovejoy, Graham Mr. (3564) [FMFC]		0	Snr



**Loubna and Chris Murphy showing that girls can do it better - in FF Vintage Rubber, at least.**



## FF Vintage Precision

Placing/Name/(MFNZ No.)/[Club]	Score
1. Scott, Bernard Mr (2320) [HMAC] <i>Shadow</i>	270
2. Cox, Stewart Mr (4492) [WMAC] <i>Heller</i>	229
3. Butcher, John Mr (5704) [TKAU] <i>Texaco '39</i>	227
4. Murphy, Chris Mr (2070) [WMAC] <i>Hi Cabin</i>	198
5. Bould, Ricky Mr (1147) [AUCC] <i>Simplex</i>	187
5. Jackson, Dave Mr. (8916) [WRMA] <i>Kerswap</i>	187
7. Dowling, John Mr. (1382) [AFFC] <i>Pirate</i>	82
8. Fisher, Kyla Miss (11558) [TKAU] <i>Nord 2</i>	58
0. Evans, Paul Mr (4404) [SAM]	0
0. Gibson, Bryce Mr (4142) [NOCL]	0

## FF Vintage/Nos Small Power

2020-01-01 07:00:00

Placing/Name/(MFNZ No.)/[Club]	Score
1. Bain, Rex Mr (1056) [HMAC] <i>Shaboom</i>	186
2. Scott, Bernard Mr (2320) [HMAC] <i>1/2A Dixielander</i>	156
3. Cox, Stewart Mr (4492) [WMAC] <i>Stratostreak .020</i>	130
0. Murphy, Chris Mr (2070) [WMAC]	0

## FF Classic Combined duration

2020-01-01 07:00:00

Placing/Name/(MFNZ No.)/[Club]	Score
1. Knox, Allan Mr (7621) [WMAC] <i>Kiwi II (G)</i>	459
2. Gibson, Bryce Mr (4142) [NOCL] <i>Altair (G)</i>	327
3. Jackson, Dave Mr. (8916) [WRMA] <i>Lively Lady (G)</i>	209
4. Murphy, Chris Mr (2070) [WMAC] <i>Expendable (R)</i>	171
5. Barnes, Kevin Mr (3590) [HMAC] <i>Lively Lady (G)</i>	122
0. Cox, Stewart Mr (4492) [WMAC]	0

## FF Vintage Glider Duration

2019-12-31 07:00:00

Placing/Name/(MFNZ No.)/[Club]	Score
1. Jackson, Dave Mr. (8916) [WRMA] <i>Lulu</i>	352
2. Fisher, Kyla Miss (11558) [TKAU] <i>Lulu</i>	257
3. Cox, Stewart Mr (4492) [WMAC] <i>Lulu</i>	44
0. Lovejoy, Graham Mr. (3564) [FMFC]	0
0. Evans, Paul Mr (4404) [SAM]	0

## FF Nostalgia Power Duration

2020-01-01 07:00:00

Placing/Name/(MFNZ No.)/[Club]	Score
1. Bain, Rex Mr (1056) [HMAC] <i>Not recorded</i>	522
1. Scott, Bernard Mr (2320) [HMAC] <i>Dixielander OS.15</i>	522
3. Barnes, Kevin Mr (3590) [HMAC] <i>Dixielander Max.III</i>	387
4. Gibson, Bryce Mr (4142) [NOCL] <i>Dixielander MVVS</i>	240
0. Dowling, John Mr. (1382) [AFFC]	0
0. Murphy, Chris Mr (2070) [WMAC]	0
0. Cox, Stewart Mr (4492) [WMAC]	0
0. Dalziel, Richard (1348) [WMAC]	0

## FF Nostalgia Rubber

2020-01-01 07:00:00

Placing/Name/(MFNZ No.)/[Club]	Score
1. Squires, Paul Mr (3349) [FMFC] <i>Max Maker</i>	540
2. Murphy, Chris Mr (2070) [WMAC] <i>Last Resort</i>	273
3. Cox, Stewart Mr (4492) [WMAC] <i>Hatchetek</i>	4
0. Scott, Bernard Mr (2320) [HMAC]	0
0. Gibson, Bryce Mr (4142) [NOCL]	0



*Free Flight retrieval methods at the Nationals ... but doughty pairs of legs, Ventolin, and strong embrocations predominated.*



## VINTAGE FREE FLIGHT COMMENT

*Editor*

The outstanding aspect of the 2019-2020 Nationals was the weather. Comments along the lines of "Can't remember such flyable weather at Carterton" were common. Although the wind did come up in the afternoons, conditions were near perfect each morning with minimal drift and plenty of lift even early in the day.

A couple of weeks prior to the start day, registrations were too low for some classes to be run but last minute entries brought all events to official status and only Vintage Power failed to meet the minimum entry number. Vintage Glider, Nostalgia Rubber and Small Power squeaked in with just three entries each. The continued lack of entries in the Small Power event is surprising as its requirements allow a wide range of model types and it is probably the easiest power class to fly.

Grain crops on the farm would have posed problems if there had been stronger breezes. Although the choice of launch position on day one gave a shorter flight distance than usual, slow, and sometimes no, drift allowed 180 flights without problems. Even the FF Scale fliers had ideal conditions - and that doesn't happen too often. Day two, further down the farm, allowed long unobstructed flights and easy retrieves.

The principle of separating Vintage Free Flight and Vintage Radio Control was ratified at the AGM and will continue to be implemented. Two mornings for Vintage FF (10 hours flying time) appears to be adequate at the moment, allowing three and a half days (25 hours flying time) for the RC events.



Delicate Free Flight models need careful packing if they are to arrive at local contests in a flyable condition. Transporting them overseas takes risks into another dimension, one in which the *Baggage Handler* thrives. Roger Morrell's internationally flown models are protected from this ruinous beast by a beautifully constructed, lightweight-yet-strong box to which a padded enclosure adds further protection.





<b>Vintage</b>		
<b>RC Vintage Precision</b>	2020-01-01 12:00:00	
Placing/Name/(MFNZ No.)/[Club]	Score	Comr
1. Treloar, Bryan Mr (10605) [ASMF]	600	Snr Flyoff 19
2. Knox, Allan Mr (7621) [WMAC]	600	Snr Flyoff 19
2. Russell, Barrie Mr (2287) [HBRF]	600	Snr Flyoff 19
4. Gush, David Mr (7843) [TKAU]	600	Snr Flyoff 19
5. Pearpoint, Philip Mr. (6517) [PNA]	596	Snr
6. Cox, Stewart Mr (4492) [WMAC]	586	Snr
7. Beaumont, Terry Mr (1095) [KAMC]	585	Snr
8. Mossop, Don Mr (5648) [WBMF]	578	Snr
9. Fulton, Grant Mr (11637) [HBRF]	534	Snr
10. Woodfield, Bruce Mr (4825) [PNA]	524	Snr
0. Butcher, John Mr (5704) [TKAU]	0	Snr DN
0. Glogau, Trevor Mr (11409) [WMAC]	0	Snr DN
<b>RC Classical Precision</b>		
2020-01-01 12:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comr
1. Fulton, Grant Mr (11637) [HBRF]	596	Snr
2. Mossop, Don Mr (5648) [WBMF]	577	Snr
3. Russell, Barrie Mr (2287) [HBRF]	571	Snr
4. Butcher, John Mr (5704) [TKAU]	533	Snr
0. Gush, David Mr (7843) [TKAU]	0	Snr
<b>RC Vintage open Texaco</b>		
2020-01-01 12:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comm
1. Treloar, Bryan Mr (10605) [ASMF]	1840	Snr Fly off 78
2. Scott, Bernard Mr (2320) [HMAC]	1840	Snr DN
3. Cox, Stewart Mr (4492) [WMAC]	1830	Snr
4. Knox, Allan Mr (7621) [WMAC]	1489	Snr
5. Glogau, Trevor Mr (11409) [WMAC]	1429	Snr
6. Russell, Barrie Mr (2287) [HBRF]	1264	Snr
7. Munro, Ian (4040) [WMAC]	1107	Snr
8. Butcher, John Mr (5704) [TKAU]	1045	Snr
9. Beaumont, Terry Mr (1095) [KAMC]	917	Snr

<b>RC Vintage open Texaco</b>		
2020-01-01 12:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comr
1. Treloar, Bryan Mr (10605) [ASMF]	1840	Snr Fly off 78
2. Scott, Bernard Mr (2320) [HMAC]	1840	Snr DN
3. Cox, Stewart Mr (4492) [WMAC]	1830	Snr
4. Knox, Allan Mr (7621) [WMAC]	1489	Snr
5. Glogau, Trevor Mr (11409) [WMAC]	1429	Snr
6. Russell, Barrie Mr (2287) [HBRF]	1264	Snr
7. Munro, Ian (4040) [WMAC]	1107	Snr
8. Butcher, John Mr (5704) [TKAU]	1045	Snr
9. Beaumont, Terry Mr (1095) [KAMC]	917	Snr
0. Gush, David Mr (7843) [TKAU]	0	Snr
<b>RC Vintage A Texaco</b>		
2020-01-02 09:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comr
1. Scott, Bernard Mr (2320) [HMAC]	1860	Snr
2. Treloar, Bryan Mr (10605) [ASMF]	1852	Snr
3. Cox, Stewart Mr (4492) [WMAC]	1848	Snr
4. Knox, Allan Mr (7621) [WMAC]	1568	Snr
5. Russell, Barrie Mr (2287) [HBRF]	1428	Snr
6. Munro, Ian (4040) [WMAC]	1382	Snr
0. Butcher, John Mr (5704) [TKAU]	0	Snr
<b>RC Vintage 1-2 A Texaco</b>		
2020-01-02 09:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comr
1. Butcher, John Mr (5704) [TKAU]	1498	Snr
2. Scott, Bernard Mr (2320) [HMAC]	1490	Snr
3. Knox, Allan Mr (7621) [WMAC]	1461	Snr
4. Cartwright, Wayne Mr (1244) [HMAC]	1182	Snr
<b>RC Classical E Duration</b>		
2020-01-02 09:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comr
1. Gush, David Mr (7843) [TKAU]	766	Snr
2. Townsend, Peter Mr (11041) [TKAU]	760	Snr
3. Russell, Barrie Mr (2287) [HBRF]	711	Snr



4. Butcher, John Mr (5704) [TKAU]	114	Snr
0. Scott, Bernard Mr (2320) [HMAC]	0	Snr
0. Mossop, Don Mr (5648) [WBMF]	0	Snr
0. Fulton, Grant Mr (11637) [HBRF]	0	Snr
0. Cartwright, Wayne Mr (1244) [HMAC]	0	Snr
<i>RC Vintage 1-2 E Texaco</i>		
2020-01-03 09:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	Comm
1. Townsend, Peter Mr (11041) [TKAU]	3689	Snr
2. Cartwright, Wayne Mr (1244) [HMAC]	2138	Snr
3. Russell, Barrie Mr (2287) [HBRF]	1663	Snr
4. Fisher, Kyla Miss (11558) [TKAU]	1597	Jur
5. Knox, Allan Mr (7621) [WMAC]	1280	Snr
6. Scott, Bernard Mr (2320) [HMAC]	1221	Snr
0. Fulton, Grant Mr (11637) [HBRF]	0	Snr
<i>RC Vintage IC Duration</i>		
2020-01-03 09:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	
1. Knox, Allan Mr (7621) [WMAC]	780	Snr
2. Scott, Bernard Mr (2320) [HMAC]	741	Snr
3. Treloar, Bryan Mr (10605) [ASMF]	721	Snr
4. Beaumont, Terry Mr (1095) [KAMC]	685	Snr
5. Gush, David Mr (7843) [TKAU]	639	Snr
6. Cox, Stewart Mr (4492) [WMAC]	260	Snr
0. Russell, Barrie Mr (2287) [HBRF]	0	Snr
<i>RC Vintage E Duration</i>		
2020-01-03 09:00:00		
Placing/Name/(MFNZ No.)/[Club]	Score	
1. Mossop, Don Mr (5648) [WBMF]	960	Snr
2. Fulton, Grant Mr (11637) [HBRF]	897	Snr
3. Russell, Barrie Mr (2287) [HBRF]	871	Snr
4. Hubbard, Stuart (5306) [ASMF]	819	Snr
5. Knox, Allan Mr (7621) [WMAC]	818	Snr
6. Cartwright, Wayne Mr (1244) [HMAC]	717	Snr

<i>RC Classical E Texaco</i>		2020-01-03 09:00:00	
Placing/Name/(MFNZ No.)/[Club]	Score		
1. Townsend, Peter Mr (11041) [TKAU]	2051	Snr	
2. Cartwright, Wayne Mr (1244) [HMAC]	1876	Snr	
3. Gush, David Mr (7843) [TKAU]	1870	Snr	
4. Fisher, Kyla Miss (11558) [TKAU]	1616	Jur	
5. Russell, Barrie Mr (2287) [HBRF]	1418	Snr	
6. Fulton, Grant Mr (11637) [HBRF]	887	Snr	
0. Butcher, John Mr (5704) [TKAU]	0	Snr	
<i>RC Sport Cabin E Texaco</i>		2020-01-04 09:00:00	
Placing/Name/(MFNZ No.)/[Club]	Score		
1. Townsend, Peter Mr (11041) [TKAU]	2996	Snr	
2. Fisher, Kyla Miss (11558) [TKAU]	2636	Jur	
3. Butcher, John Mr (5704) [TKAU]	2101	Snr	
4. Gush, David Mr (7843) [TKAU]	1482	Snr	
5. Fulton, Grant Mr (11637) [HBRF]	958	Snr	
6. Russell, Barrie Mr (2287) [HBRF]	696	Snr	
0. Glogau, Trevor Mr (11409) [WMAC]	0	Snr	
<i>RC Vintage E Rubber Texaco</i>		2020-01-04 09:00:00	
Placing/Name/(MFNZ No.)/[Club]	Score		
1. Fisher, Kyla Miss (11558) [TKAU]	4712	Jur	
2. Gush, David Mr (7843) [TKAU]	4272	Snr	
3. Mossop, Don Mr (5648) [WBMF]	2779	Snr	
4. Cartwright, Wayne Mr (1244) [HMAC]	2643	Snr	
5. Russell, Barrie Mr (2287) [HBRF]	2383	Snr	
6. Knox, Allan Mr (7621) [WMAC]	2052	Snr	
7. Webby, Tawhai Mr (10912) [WRMA]	1225	Jur	
8. Townsend, Peter Mr (11041) [TKAU]	546	Snr	
0. Butcher, John Mr (5704) [TKAU]	0	Snr	
0. Glogau, Trevor Mr (11409) [WMAC]	0	Snr	



*Found the Nationals slog a bit much? From SIN comes some 39 year old advice from editor Paul Lagan.*

*Paul edited SIN from 1966 to the end of 1980. The quote is from the last issue and rather than being re-typed with sterile word processor precision, it is scanned from the original Gestetner duplicator print to retain its period flavour. The Gestetner was a messy devil of a machine to operate but it was the only way to print newsletters at that time ... and the printing was just the beginning - there was then the collating, stapling and posting to be done.*

## SOUTH ISLAND NEWS

1980

by

(PAUL LAGAN, EDITOR 8 BERMUDA DRIVE CHRISTCHURCH 4)



FREE FLIGHT Subcommittee Of NZMAA

NUMBER 3/80

PUBLISHED 29 SEP 80

SIN ... WAS DEDICATED TO CONTEST FREE FLIGHT  
AND PUBLISHED EVERY THREE MONTHS.

1980 SUBSCRIPTION: \$3 NZ, \$4 OVERSEAS

On a completely different subject ..... A famous man once said that no matter how enjoyable a particular activity may be to a given person, if that activity is taken to excess and done long enough and often enough it can become torture. Now it is hard to think how some of our more enjoyable activities could ever be tortuous, but contest FF can certainly become a bit of a bore if taken to excess. To prevent this, I try and fly a 'therapy' class or two along with the out-and-out competitive classes and one I enjoy most of all is that involving little sports power models powered with an undercompressed rich diesel motor. There is something very relaxing in wandering under or after a slow climbing Vic Smeed-design type of model on a calm morning or evening then watching it attempt to glide once the kerosene runs out. After an hour of that I am set for at least another hard day straining seconds out of some temperamental contest prima donna model. Quote of the month then is :

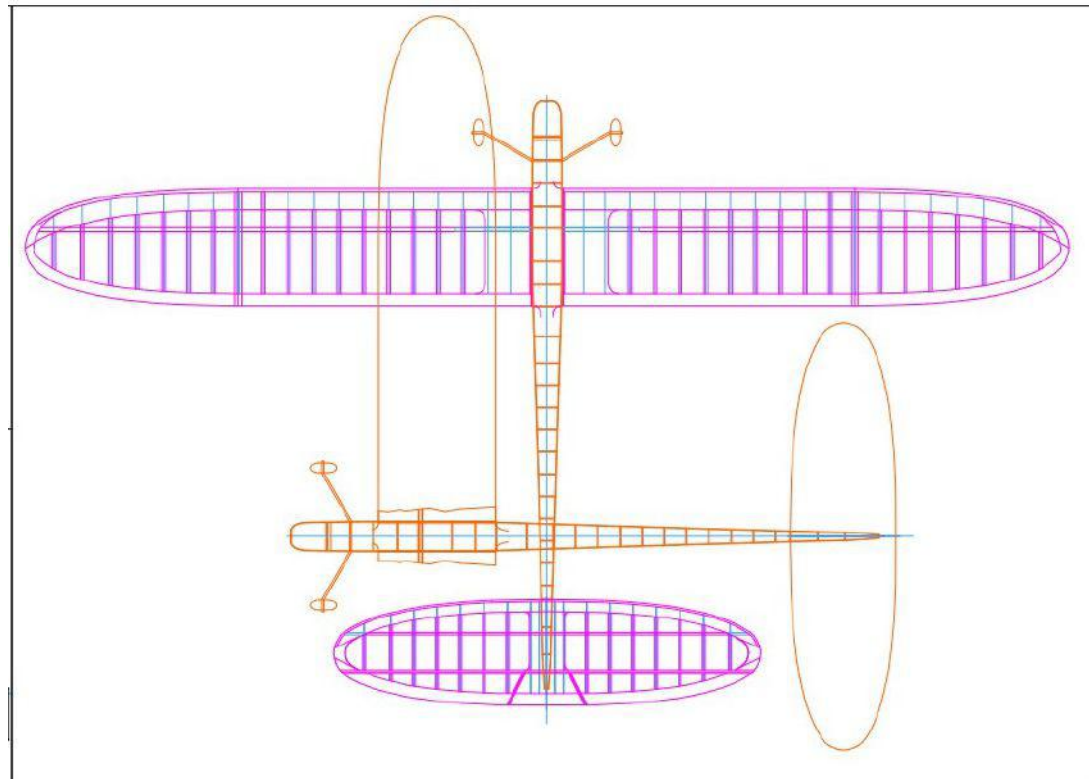
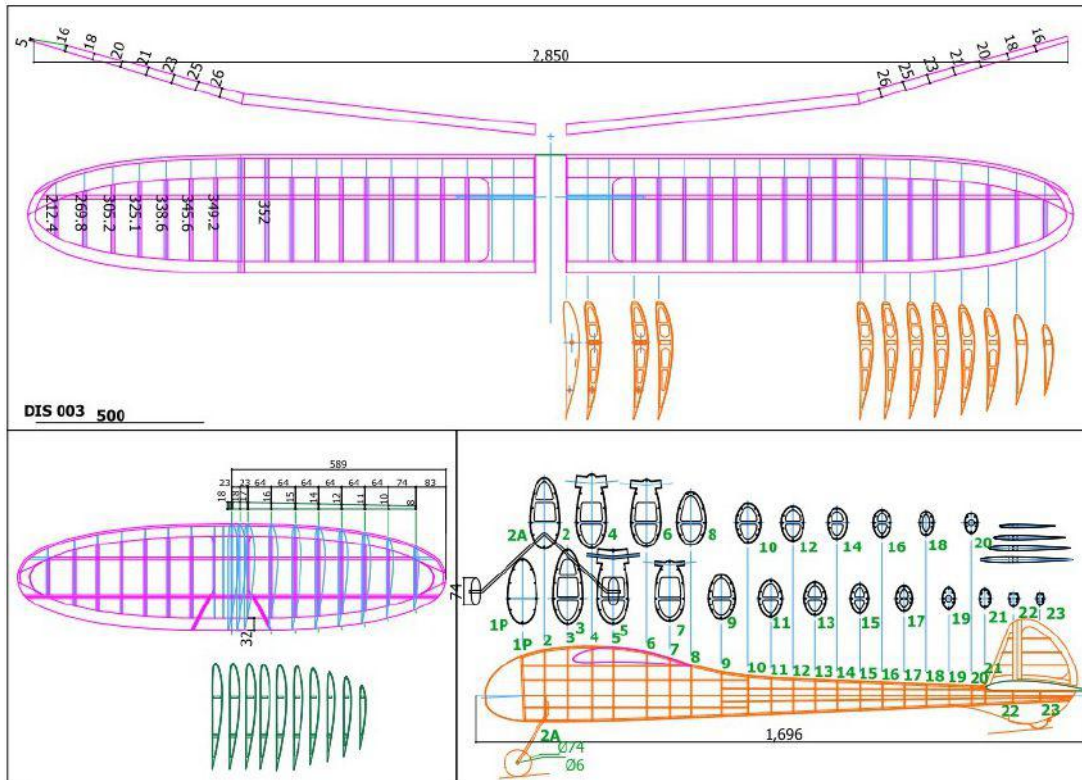
IF YOU HOLD YOUR NOSE TO THE GRINDSTONE ROUGH, AND KEEP IT THERE FOR LONG ENOUGH: THEN ALL THAT EXISTS IN THE WORLD YOU'LL SUPPOSE, WILL BE YOU, THE STONE AND YOUR BLOODY NOSE.



Fred Macdonald starting the 'Brown Junior' engine in his KG (Kovel/ Grant - designers) in Jan 1936 on the Auckland Aero Club's Mangere aerodrome - now under the Auckland International Airport. Several take-offs were made with the engine stopping as the model nosed up. The tank is behind the engine and under the spray-bar so the nose up starved it. This is all very new to those there at the time. Eventually, the needle was opened a little bit more, cutting down the revs a wee bit, and a gentle take-off took it circling right across the 'drome with a landing in the mangroves. Manukau harbour came to the edge of the airfield. A somewhat disturbed lady watching from the Aeroclub clubhouse, asked "*Is the pilot safe?*" A movie of the flight taken by Harry Reynolds still exists.







Zona e Capozzi "diversamente giovani"

In the last issue, Italian Job #10 was to be the last, then this turned up in *L'Aquilone*. Also, Allan had a PDF plan of the design, drawn by his daughter, Josie ... and then there was the happy photo on the right ... how could I resist?

Left: Ohlsson designers Zona and Capozzi. Caption reads *differently* young which might be best rendered as *forever young* - one of the benefits of vintage aeromodelling.











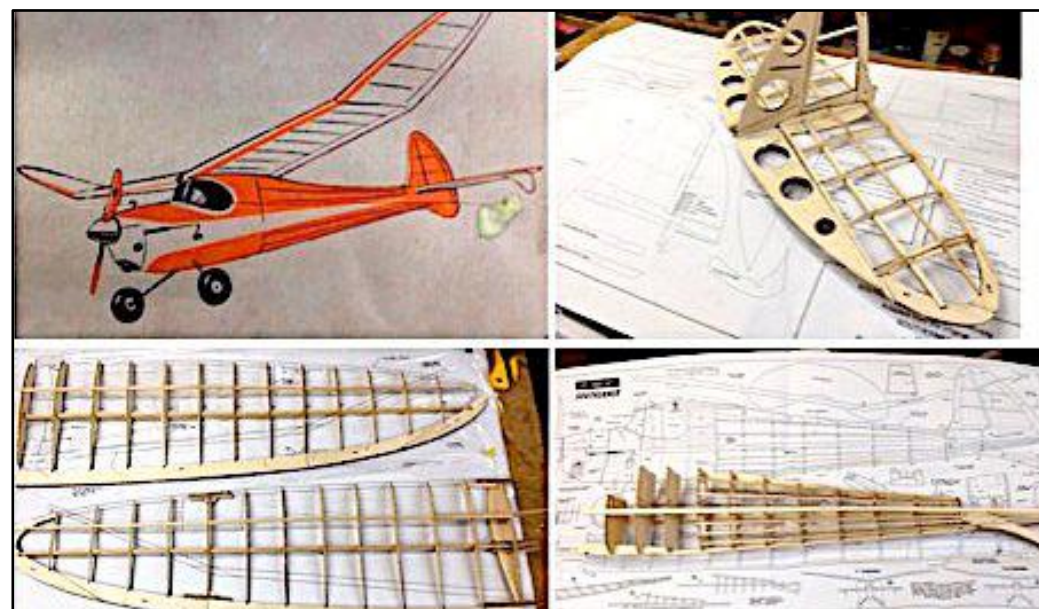
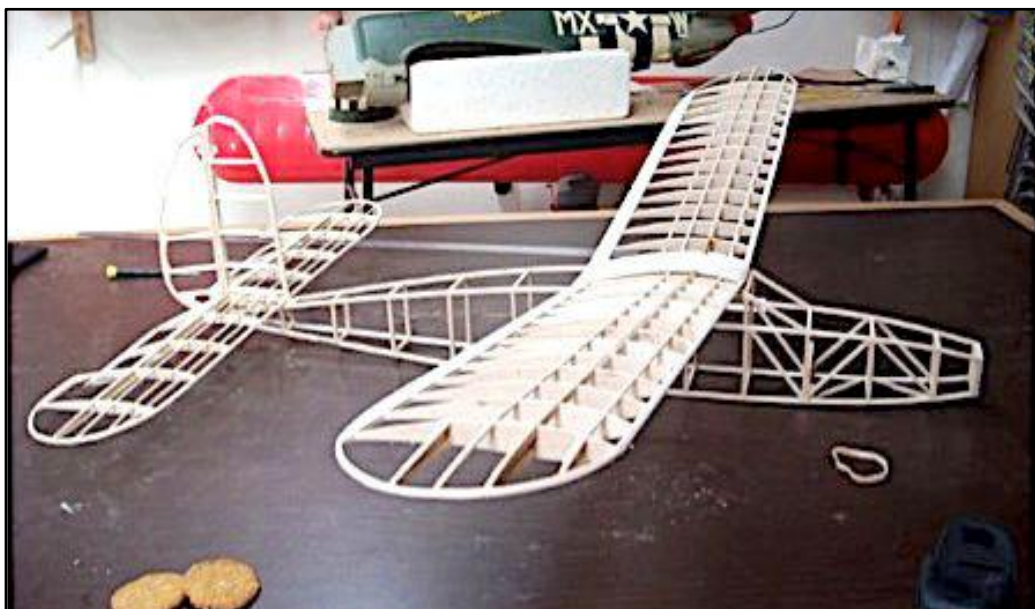
CLOUD KING Barrie Price



LANZO CABIN Gavin Shute

LANZO CABIN Stan Nicholas

SOUTHERNER Johnny Aitken









# Duplicating angles using Wu-Meters

**Scene: Proctor Road FF site, 09:17 hours.** Warm air, gentle breeze, perfect flying conditions. Then, *a propos* of nothing, Dave says



and holds out a sinister black box with buttons. There is a stunned silence in which we realise that no-one has thought to capture the moment, so later the scene is re-enacted with Bryce's help.

If you concentrate *really* hard you can hear the excitement in my voice as I exclaim: *Crikey, there's possibilities here!*

With the co-operation of P.Pal of the interweb, China Parcel Post, and Mr.Wu of 14635 Grove of the Passionate Seamstress, I quickly have a similar item, and then realise that two would be better than one. Now the possibilities can begin....

Trial and error is costly when setting up a new model, especially a FF one where there is a narrow

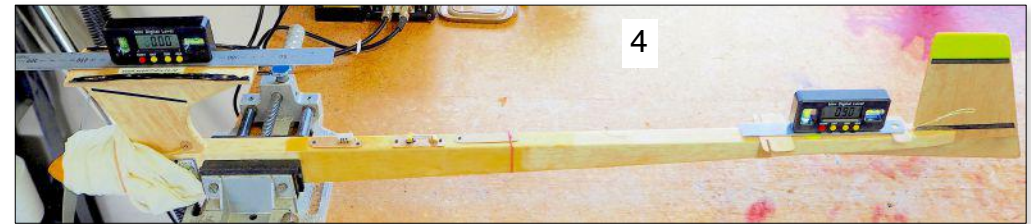
band of settings for most models. The old Robart incidence meter was useful for big models but too clunky for those of a delicate disposition, and the wobbly "anti-



parallax scale" was only good to 0.5 degrees. Out she goes, and in comes Mr. Wu's digital level, accurate to 0.1 degree (batteries and metal rules not supplied). The bottom of the Wu-Meter is magnetic so it can be attached to a metal rule to provide a stable base and this gives an easy means to attach the Wu-Meter to a model.



Wu-Meters have been used so far in the setting up of new models and replicating successful FF models - both uses applicable to RC as well. In FF, incidences and wing wash-in/out are largely guess-work followed by tentative testing. A lot of grief and rebuilding can be



avoided if the settings of a good performer can be measured and copied exactly. That this is true is demonstrated in cookie-cutter commercial models that have the correct settings locked in. Replacement models that we try to build exactly like the original one never fly the same because the ruler, protractor and eyeball used to set them up are not sensitive enough. Enter Mr. Wu.

Wing, tailplane mount incidences: Wu-Meters are placed on the wing and TP mounts as in Fig 4. The meter on one mount is levelled and the relative incidence of the other mount is read on the second meter. As they are very sensitive, getting one Wu-Meter exactly to zero can be a challenge, so simply leave them both as mounted and subtract one reading from the other.

The exact angular difference between the wing and tailplane mounts can be duplicated using the Wu-Meters. Note that the word "aerodynamic" is not a guest at this

process, but should one feel all technical, relief may be found by propping the "leading edges" of the Wu-Meters up by the appropriate amount to adjust them to the zero angle of attack of the airfoils.

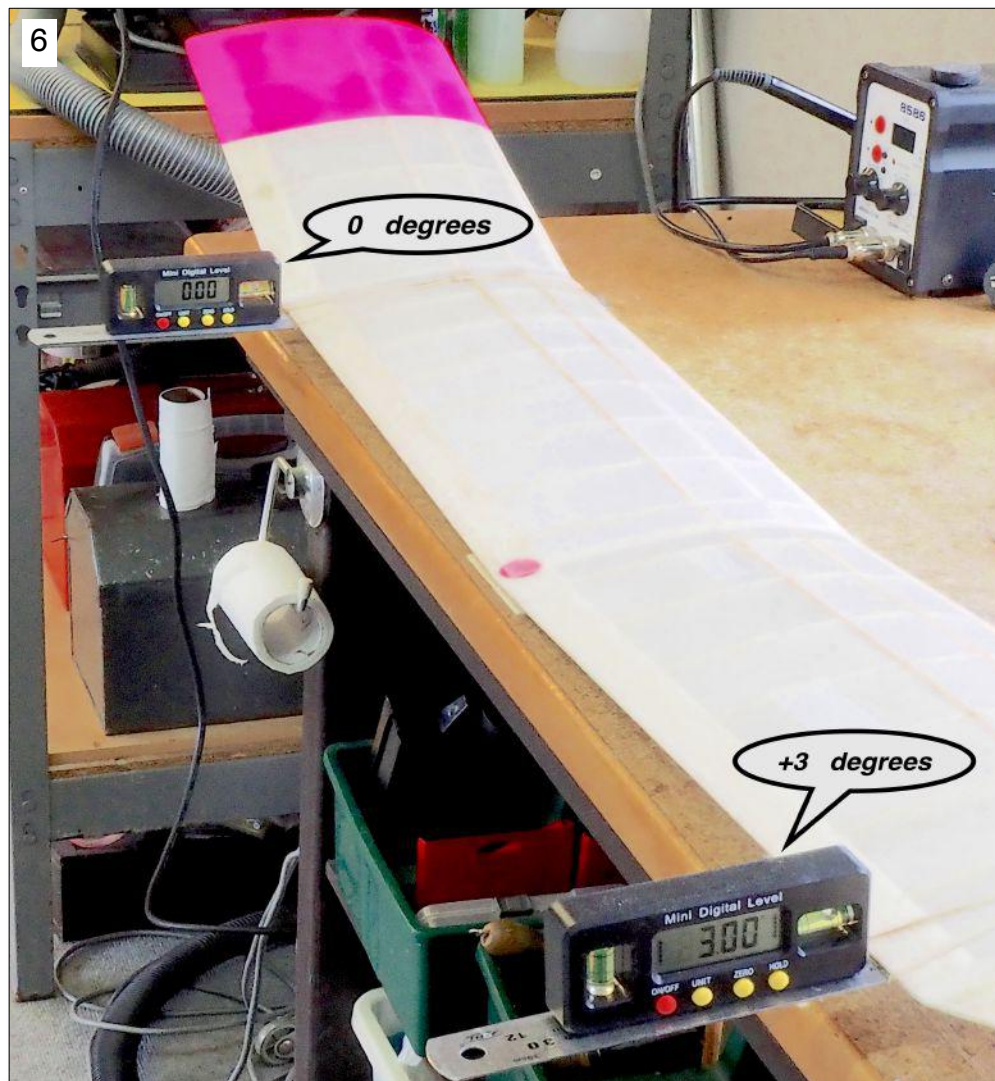
Tailplane tilt angle: First level the fuselage span-wise. The tailplane mount below (on a *Dixielander*, of course) shows 2 degrees tilt for a glide turn to the right.



Wing wash-in and wash-out: This is an area where Mr. Eyeball has always been King, but with Mr. Wu's arrival, I feel an abdication looming. Wing wash-in helps determine whether a FF model flies or does the other thing, so it should be more accurate than *sorta like last time*. (Fig 6).



# Duplicating angles using Wu-meters



Wu-Meters are attached to 1-foot steel rules that are banded to the underside of the inner panels at the dihedral joint. Zero-out the meter on the flat panel - or again just subtracting one reading from the

other is enough. Wash-in on this panel (another *Dixielander*, naturally) was corrected to three degrees after the Wu found it to be out by one degree - despite claims by Mr. Eyeball to the contrary.

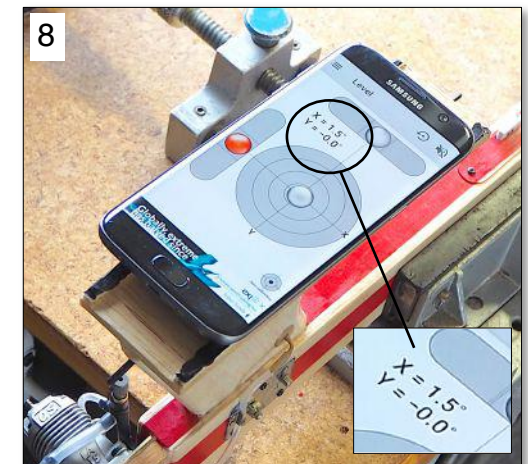
Engine thrust lines: Possible, but difficult to mount the Wu-Meter on the engine thrust line to compare with the datum line reading. My attempts did not result in appealing photographs, so use your imagination.

Flier sobriety: No-one is comfortable around a dangerous flier. By taping a Wu-Meter to the suspect flier's head, one can determine whether he is fit to fly. In the interests of encouraging field safety, Bryce (who was perfectly safe at the time) volunteered to demonstrate the method.

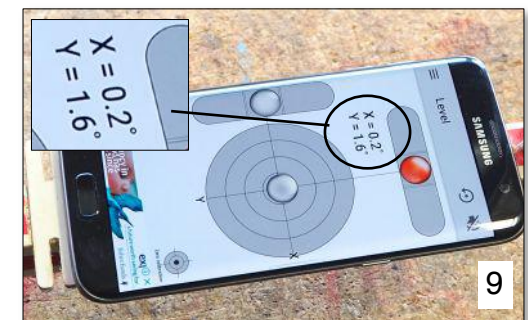


Yoof-ful fliers: It's always nice to include youth in aeromodeling, so for the young, or the sinophobes, here is a Wu-Less method of angular measurement.

Cellphone level applications are as accurate as the phone's sensors - mine goes to 0.1 degree, so it's in Wu-Territory. A bit more clunky to use, but it is a way we can use to demonstrate to youth that aeromodeling and the 21st century do overlap in places.



Comparing the Y-axis reading in Figs 8 and 9, the Non-Wu-Meter shows the tailplane mount is at 1.6 degrees positive, confirming a previous Wu-Reading.





These are the final standings for 2019. The E Texaco classes had rule changes during the year and the listings show them all. Congratulations to everyone who has a Leader Board posting, and especially those at the top of each class and those who hold records.

Wayne Cartwright  
rwcartwright4@gmail.com

### Precision Classes

#### Vintage Precision

Record: A Knox (2017), J Shorer (2018),  
D Mossop (2019), and B Russell  
(2019) 600 + 200

1=	D Mossop	600 + 200
1=	B Russell	600 + 200
1=	A Knox	600 + 200
4.	J Knox	600 + 199
5.	J Butcher	600 + 178
6=	B Robinson	600
6=	W Summerton	600
6=	L King	600
6=	D Thornley	600
6=	J Ryan	600

#### Classical Precision

Record: B Harris (2016) 598

1.	D Squires	596
2=	D Mossop	595
2=	S Nicholas	595
3.	B Russell	591
4.	J Butcher	584
5.	B Robinson	584
6.	G Fulton	579
7.	D Thornley	563

8.	D Gush	556
9.	T Gribble	512

### Duration Classes

#### Vintage IC Duration

Record: S. Cox (2019) 780 + 500 + 391

1.	S Cox	780 + 500 + + 391
2.	A Knox	780 + 493
3.	D Thornley	772
4.	B Treloar	742
5.	K Trillo	740
6.	W Summerton	713
7.	B Russell	706
8.	T Beaumont	680
9.	J Ryan	656
10.	R Anderson	635

#### Vintage E Duration

Record: B Harris (2018) 960 + 600

1.	D Mossop	960 + 373
2.	B Russell	960 + 366
3.	A Knox	960 + 360
4.	K Trillo	960 + 300
5.	S Nicholas	960 + 21
6.	B Harris	960
7.	J Shorer	947
8.	B Robinson	908
9.	G Fulton	904
10.	S Hubbard	886

#### Classical IC Duration

Record: D Thornley (2017) 900 + 600

1.	D Thornley	838
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### Classical E Duration

Record: W Cartwright (2018),

B Russell (2019) 900 + 600

1.	B Russell	900 + 600
2.	B Robinson	900 + 415
3.	W Cartwright	900
4.	S Nicholas	864
5.	D Barber	831
6.	D Crook	769
7.	G Fulton	550
8.	D Gush	506
9.	B Harris	459
10.	D Mossop	300

### Texaco Classes

#### Vintage 1/2A Texaco

Record: A Knox (2018) 1500 + 1833

1.	A Knox	1500 + 826
2.	J Butcher	1465
3.	B Scott	1440
4.	J Ryan	1375
5.	J Beresford	978
6.	K Trillo	968
7.	R Anderson	840
8.	S Morse	403
9.	L Rodway	330

#### Vintage A Texaco

Record: A Knox (2018) 1860 + 1870

1.	B Treloar	1860 + 832
2.	A Knox	1860 + 797
3.	J Butcher	1860
4.	K Trillo	1850
5.	A Knox	1844
6.	B Scott	1831
7.	R Anderson	1755
8.	I Munro	1666
9.	A Baker	1580
10.	C Warren	1554



**Vintage Open Texaco***Record: B Treloar (2018) 1840 + 1703*

1. A Knox	1840 + 848
2. B Treloar	1840
3. B Scott	1830
4. T Glogau	1821
5. A Knox	1811
6. S Cox	1724
7. T Beaumont	1423
8. I Munro	1365
9. B Russell	956
10. J Butcher	928

**Vintage 1/2E Texaco***Record (new rules finalised 2019):**B Scott (2019) 1499*

Three rounds plus fly off:

1. D Crook	1480 + 1179
2. A Knox	1480 + 1075
3. B Russell	1480 + 907
4. B Robinson	1480 + 772
5. T Gribble	1480 + 653
6. S Nicholas	1420
7. J Shorer	1011
8. B Spencer	970
9. D Barber	889
10. L Rodway	875

Two unlimited flights 180 mah battery:

1. K Trillo	1654
2. J Butcher	1616
3. W Cartwright	1159
4. D Squires	949
5. R Anderson	770

6. T Gribble	670
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7. B Russell	606
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8. D Gush	119
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Two unlimited flights 360 mah battery:

1. K Trillo	2624
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2. P Townsend	2569
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3. T Gribble	2422
--------------	------

4. B Spencer	1705
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5. D Squires	1559
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Finalised new rules 2019:

1. B Scott	1499
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2. A Knox	1139
-----------	------

3. T Gribble	358
--------------	-----

**Classical 1/2E Texaco***Record (new rules finalised 2019):**T Gribble (2019) 1793*

Three rounds plus fly off:

1. T Gribble	1072
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2. D Crook	893
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Two unlimited flights 180 mah battery:

1. W Cartwright	1079
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2. J Butcher	386
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Two unlimited flights 360 mah battery:

1. P Townsend	1799
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Finalised new rules 2019:

1. T Gribble	1793
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2. D Crook	1711
------------	------

3. B Scott	1456
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4. W Cartwright	1149
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5. P Townsend	867
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**Vintage E Texaco***Record (new rules finalised 2019):**D Crook (2019) 1885*

Three rounds plus fly off:

1. A Knox	1860 + 1956
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2. B Russell	1860 + 1400
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3. D Crook	1860 + 1074
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4. K Trillo	1860 + 796
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5. S Nicholas	1857
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6. J Butcher	1740
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7. B Robinson	1325
---------------	------

8. S. Nicholas	1113
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9. J Shorer	1098
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Two unlimited flights:

1. D Crook	2852
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2. K Trillo	2745
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3. J Butcher	1808
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4. D Squires	1572
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5. B Russell	1364
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6. A Knox	1253
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7. D Baunton	1109
--------------	------

8. T Gribble	946
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Finalised new rules 2019:

1. D Crook	1885
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2. W Cartwright	1757
-----------------	------

3. D Mossop	1719
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4. D Baunton	1147
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**Classical E Texaco**

Three rounds plus fly off:

1. T Gribble	1800 + 2669
2. K Trillo	1800 + 735
3. B Robinson	1507
4. J Butcher	1639
5. B Russell	1454
6. D Crook	1156
7. G Fulton	1098
8. S Nicholas	967

Two unlimited flights:

1. K Trillo	1739
2. T Gribble	1715

2019 Nationals, Temporary Rules:

1. K Trillo	2160 + 1244
2. D Gush	2160 + 862
3. J Butcher	1534
4. W Cartwright	1430

Finalised new rules 2019

1. T Gribble	1826
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**Vintage E Rubber Texaco***Record (new rules finalised 2019):**B Russell (2019):* 5685

Three rounds plus fly off:

1. B Russell	1860 + 2366
2. J Butcher	1860 + 1839
3. D Crook	1860 + 1215
4. T Gribble	1860 + 907
5. A Knox	1860 + 170
6. D Gush	1240

Finalised new rules 2019:

1. B Russell	5685
2. K Trillo	5022
3. J Butcher	4215
4. P Townsend	3153
5. D Crook	2730
6. D Gush	2337
7. T Gribble	2321
8. W Cartwright	2223
9. A Knox	2030
10. D Squires	2005

**Sport Cabin Texaco IC**

1. L Rodway	485
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**Sport Cabin Texaco E***Record: K Trillo (2019)* 4457

1. K Trillo	4457
2. J Butcher	2149
3. T Gribble	1454
4. D Squires	1235
5. B Russell	1285
6. L Rodway	862
7. D Crook	828
8. R Anderson	385

**Vintage and Classical Scale Texaco***Record: A Knox (2019)* 1680 + 620

1. A Knox	1680 + 620
2. B Russell	895
3. D Baunton	499

**Tomboy IC***Record: R Anderson (2015)* 1432

No score recorded in 2019.

**Tomboy E***Record: J Butcher (2019)* 2725

1. J Butcher	2725
2. D Gush	1559
3. K Trillo	1317
4. D Squires	1154
5. B Scott	1127
6. B Spencer	945
7. B Russell	845



## RC Top 10 Leader Boards 2020

The purpose of the Vintage SIG Leader Boards is to increase enjoyment of competition flying by showing fliers how well they are doing relative to others.

The scores posted are from the Nationals, NDC, the North Island Champs, NNI Series events, and Levin events. As well, any other score signed off by an independent timekeeper may be submitted to me.

The top 10 scores are posted and updated throughout the year, just prior to each issue of AVANZ News. The Leader Boards run for each calendar year, after which they are deleted and started afresh. However, the record for each class is maintained over time, and shown in italics with the year in which it was set.

This is the start of the new Leader Boards for 2020. The scores shown here are from the Nationals and will be joined by further postings as the year progresses.

Please email me if you spot any errors or omissions.

Wayne Cartwright  
rwcartwright4@gmail.com

### Precision Classes

#### Vintage Precision

*Record: A Knox (2017), J Shorer (2018),  
D Mossop (2019), and B Russell  
(2019) 600 + 200*

1.	B Treloar	600 + 199
2.	B Russell	600 + 198
	A Knox	600 + 198
4.	D Gush	600 + 193
5.	P Pearpoint	596
6.	S Cox	586
7.	T Beaumont	585
8.	D Mossop	578
9.	G Fulton	534
10.	B Woodfield	524

#### Classical Precision

*Record: B Harris (2016) 598*

1.	G Fulton	596
2.	D Mossop	577
3.	B Russell	571
4.	J Butcher	533

### Duration Classes

#### Vintage IC Duration

*Record: S. Cox (2019) 780 + 500  
+ 391*

1.	A Knox	780
2.	B Scott	741
3.	B Treloar	721
4.	T Beaumont	685
5.	D Gush	639
6.	S Cox	260

#### Vintage E Duration

*Record: B Harris (2018) 960 + 600*

1.	D Mossop	960
2.	G Fulton	897
3.	B Russell	871
4.	S Hubbard	819
5.	A Knox	818
6.	W Cartwright	717

#### Classical IC Duration

*Record: D Thornley (2017) 900 + 600*  
No score posted as yet.

#### Classical E Duration

*Record: W Cartwright (2018) and  
B Russell (2019) 900 + 600*

1.	D Gush	766
2.	P Townsend	760
3.	B Russell	711
4.	J Butcher	114

### Texaco Classes

#### Vintage 1/2A Texaco

*Record: A Knox (2018) 1500 + 1833*

1.	J Butcher	1498
2.	B Scott	1490
3.	A Knox	1461
4.	W Cartwright	1182

#### Vintage A Texaco

*Record: A Knox (2018) 1860 + 1870*

1.	B Scott	1860
2.	B Treloar	1852
3.	S Cox	1848
4.	A Knox	1568
5.	B Russell	1428
6.	I Munro	1362



## Vintage Open Texaco

Record: B Treloar (2018) 1840 + 1703

1.	B Treloar	1840 + 782
2.	B Scott	1840
3.	S Cox	1830
4.	A Knox	1489
5.	T Glogau	1429
6.	B Russell	1264
7.	I Munro	1107
8.	J Butcher	1045
9.	T Beaumont	917

## Vintage 1/2E Texaco

Record: P Townsend (2020) 3689

1.	P Townsend	3689
2.	W Cartwright	2138
3.	B Russell	1663
4.	K Fisher	1597
5.	A Knox	1280
6.	B Scott	1221`

## Classical 1/2E Texaco

Record: T Gribble (2019) 1793

1.	W Cartwright	1339
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## Vintage E Texaco

Record: W Cartwright (2020) 2337

1.	W Cartwright	2337
2.	K Fisher	1965
3.	B Russell	1507
4.	G Fulton	1322
5.	D Mossop	1076
6.	A Knox	579

## Classical E Texaco

Record: P Townsend (2020) 2051

1.	P Townsend	2051
2.	W Cartwright	1876
3.	D Gush	1870
4.	K Fisher	1616
5.	B Russell	1418
6.	G Fulton	867

## Vintage E Rubber Texaco

Record: B Russell (2019): 5685

1.	K Fisher	4712
2.	D Gush	4272
3.	D Mossop	2779
4.	W Cartwright	2643
5.	B Russell	2383
6.	A Knox	2052
7.	T Webby	1225
8.	P Townsend	546

## Sport Cabin Texaco IC

No score posted as yet.

## Sport Cabin Texaco E

Record: K Trillo (2019) 4457

1.	P Townsend	2996
2.	K Fisher	2636
3.	J Butcher	2101
4.	D Gush	1482
5.	G Fulton	958
6.	B Russell	696

## Vintage and Classical Scale Texaco

Record: A Knox (2019) 1680 + 620

No score posted as yet.

## Tomboy IC

Record: R Anderson (2015) 1432

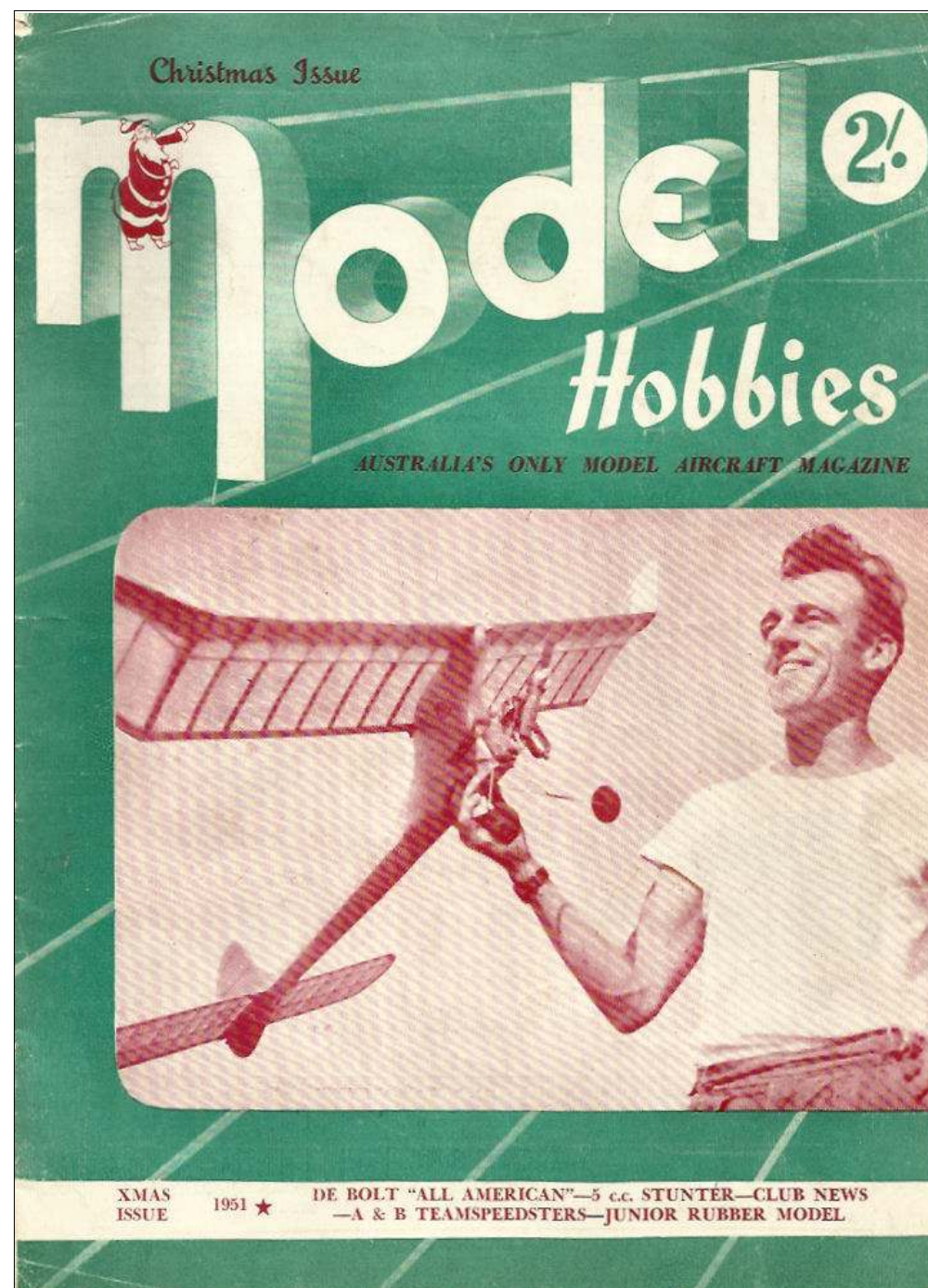
No score posted as yet.

## Tomboy E

Record: J Butcher (2019) 2725

No score posted as yet.









## ICON 176



**Tuatara** are reptiles endemic to New Zealand. The single species of tuatara is the only surviving member of its order which flourished around 200 million years ago. Tuatara are greenish brown and grey, and measure up to 80 cm from head to tail-tip and weigh up to 1.3 kg with a spiny crest along the back, especially pronounced in males. They have two rows of teeth in the upper jaw overlapping one row on the lower jaw, which is unique among living species. They are also unusual in having a pronounced photoreceptive "third eye" which is thought to be involved in setting circadian and seasonal cycles. They are able to hear, although no external ear is present, and have unique features in their skeleton, some of them apparently evolutionarily retained from fish. Tuatara are sometimes referred to as living fossils and generate significant scientific debate. While mapping its genome, researchers have discovered that the species has between 5 and 6 billion base pairs of DNA sequence, nearly twice that of humans.