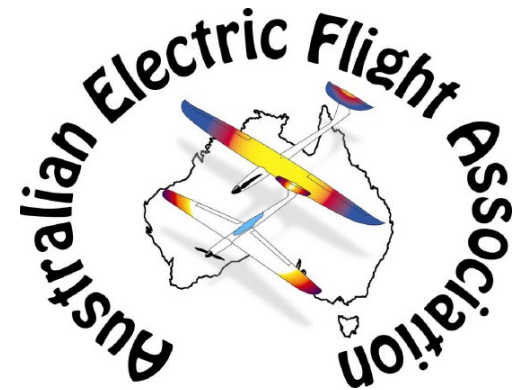


Electric & Glider **FLIGHT** *Australia*



Edition Number 12

March 2018



New Vintage Electric Glider event now commencing - see report page 12 and first contest to be flown at the NEFR at Easter

Editorial by Peter Pine

With this edition our EGFA E-magazine reaches version 12. Thank you for all the positive feedback that I have received, but we depend on you submitting information, photographs and reports. Many thanks to Hutton Oddy, David Leitch, Brett Solanov, Mike O'Reilly, Mike Colston, Trevor Smith and Gus Fox - all of whom have forwarded information or have written reports for this production.

One of the themes of this edition is the absolute burgeoning of electric glider events. Not only is F5J hotting up (with the first World Championship scheduled for next year), but there is a proliferation of all kinds of electric gliding events. Once a topic of derision, electric power is now becoming almost universal to help launch our aeronautic projects in to the atmosphere; Jack Black must be smiling!

So, keep the information flowing and give feedback on what you would like included in this production. I have heard that some people think that reports sometimes come too late, but we do the best we can and give more detail than initial posts about events where we can. Enjoy electrics!

ppine@northnet.com.au



President's Message by Trevor Smith

BREAKING NEWS - The Electric & Glider Flight Australia (EGFA) magazine has gone global! The F5J Trophy and Millennium Cup articles from EGFA-11 have appeared, with permission, in the March issue of the RC Soaring Digest. You can download the RC Soaring Digest at <http://www.rcsoaringdigest.com/>.

NEFR is less than 2 weeks away. Registrations have been slow coming in but we now have enough entries to run all events. Scramble has the least number of entries so if you have already registered and have entered in Radian and 1/2A Texaco then you should consider also using these planes for Scramble. Check pages 19/20 for information on NEFR and visit the AEFA website at <http://www.aefanet.com/52-administration/99-nefr-2018> for an entry form. So that we can advise CD's of entry numbers/names you can place your late entry directly with Peter Pine. Enter now if necessary and pay later.

The AEFA AGM is also held during NEFR. At the AGM all AEFA committee positions will be declared vacant with the 2018/2019 committee to be elected at the AGM from nominations



received. Two of the current committee members have advised that they will not be standing for re-election. So if you have considered being on the AEFA committee, or wish to nominate someone you would like to see on the committee, then contact the AEFA secretary Ralph Dephoff (randmdephoff@gmail.com) for a nomination form. Nominations must be lodged by COB 23rd March 2018.

I previously mentioned that I bought a flying wing to use in the foamy pylon at NEFR. Not keen on a hand launch (I like my fingers) I used the bungee launch ramp at my club. My only previous bungee experience goes back several decades, launching 2 channel gliders. So, I set the bungee hook just forward of CG as I did on the glider and on tapping the bungee release foot peddle I applied up elevator as I would have done with my glider to put tension on the line - wrong - after 2 attempts with the wing taking a sharp right hand turn and bouncing along the ground (no damage) I opted for someone else to hand launch and I applied power after release, all good and easy to fly. Now, after helpful advice from club members, the bungee hook is almost at the nose and I keep my hands off the controls until the wing has cleared the bungee - easy. Now for the next challenge, maiden the Thermalist vintage glider for NEFR.

Until next time.....Trevor

tdsmith82601@bigpond.com

2018 Sailplane Expo

The Expo this year was run as two separate, two-day events. F5J was flown on Thursday and Friday, winch launch glider was flown on Saturday and Sunday.

23 fliers took part in F5J and 12 rounds were completed, despite some down time due to rain. Fliers came from Victoria, NSW and Queensland. The standard of F5J flying has improved immensely, and some very good fliers battled it out at Armidale. Marcus Stent from Melbourne, now flying a Stork, repeated his success from the F5J Trophy event and won the event. Jim Houdalakis, another top flier from Melbourne, came in second flying a Pike Perfection. Ross Ginder lead the interstate challenge by coming third flying another Stork.

Victoria and Queensland continued to dominate taking the places down to 6th with Alan Mayhew and Dave Pratley (also from Victoria), followed by Evan Bengtson (Queensland). Colin Woodward and David Leitch then took some places for NSW!

I will give some of a report on the Expo by David Leitch for your interest:

Temperatures were about 33C in the shade, but it's a dry heat not like the humidity of the coast. Still, you couldn't drink enough water, or put on enough sunscreen.

Thermal conditions ranged from excellent to very patchy. For instance several saves were made from under 30 metres height, but at the same time you could be 200 metres up 4 minutes in to your flight, and land out at 7 minutes. The first (Marcus Stent) and second (Jim Houdliakis) placegetter each had a zero score for landing more than 75 metres out.

For an Australian competition the standard was reasonably high with former and current members of the Australian F3K and F3J teams flying. It has to be said though that some of the top fliers in F3J still see F5J as not for them. And I estimate that Australia is still a bit off the global F5J pace.

All of the name models were in evidence, except I didn't see a Pike Dynamic. There were 3-4 Plus's being flown as well as Maxas, Pike Perfections, Explorers, Pulsars, an Electra2, an Ultima, an Infinity etc. Vlad's models, particularly the Plus, are more popular here than in the USA. We have a very good dealer for the model and Joe Wurts as a neighbouring Kiwi is very well liked and respected. I watched the Plus fly quite a bit and it was interesting to compare with the more conventional models.

Ballast and model weight were probably quite important decisions in the tricky conditions. But by far the most important thing was getting a good initial read on the air and then quickly



Marcus Stent with his new Stork

working out when air that seemed excellent was suddenly turning to garbage.

The best pilots in the conditions finished at the top of the board (no finals) and they did so by making less mistakes. Mostly launch heights were conservative and I didn't personally observe any 10 minute flights with launch heights below 100 metres, even though winds were low to modest.

My own contest started with a landout zero, instantly depressing me, second flight was also

Sailplane Expo F5J - Overall Results [Armidale 25/01/2018]

www.GliderScore.com

Rank	Name	Score	Pcnt	Raw Score	Rnd1	Rnd2	Rnd3	Rnd4	Rnd5	Rnd6	Rnd7	Rnd8	Rnd9	Rnd10	Rnd11	Rnd12	Drop1
1	STENT, Marcus	10805	100	10805	960.8	1000	949.4	983.9	1000	1000	1000	1000	957.6	953.3	1000	0	0
2	HOUDALAKIS, Jim	10576.3	97.88	10576.3	954.8	1000	989.2	1000	935.8	1000	937.6	1000	884.2	916.9	957.8	0	0
3	GINDER, Ross	10569.5	97.82	10817.6	953.1	928	1000	1000	1000	992.8	695.6	1000	1000	1000	248.1	1000	248.1
4	MAYHEW, Alan	10229.9	94.68	10603.3	962.5	987.3	986.6	696.5	919.4	373.4	885.2	883.1	963.7	978.3	967.3	1000	373.4
5	PRATLEY, Dave	10024.3	92.77	10418.2	997.4	1000	1000	620.1	393.9	810.8	956.3	655.1	1000	1000	1000	984.6	393.9
6	BENGTSON, Evan	9806.3	90.76	10097	1000	970.4	1000	631.3	922	945.5	1000	384.7	290.7	957.6	994.8	1000	290.7
7	WOODWARD, Colin	9702.7	89.8	10018.3	1000	315.6	913.3	761.3	964.5	522.9	922.6	899.9	898.3	910.9	972.3	936.7	315.6
8	LEITCH, Dave	9232.5	85.45	9232.5	0	890.9	961.8	1000	835.4	722.5	908.5	959.5	982.9	971	1000	0	0
9	FOX, Ken	8654.2	80.09	8654.2	375.6	910.2	900.8	0	448.9	944.1	968.4	453.1	885.1	1000	833.9	934.1	0
10	FARRAR, Don	8629.3	79.86	8629.3	229.6	928	965.1	979.2	923.4	566.7	0	905	714.4	778.5	740.9	898.5	0
11	SAFARIK, Ladislav	8336.3	77.15	8515.5	450.6	855.1	893.9	900	908.5	938.5	1000	436.7	829.4	882.4	179.2	241.2	179.2
12	ODDY, Hutton	8002	74.06	8265.2	643.3	841	883.2	929.5	263.2	723.8	350.9	947.9	669.7	926.6	461.7	624.4	263.2
13	SPAIN, David	7926.2	73.36	7926.2	0	194.8	540.5	883.3	552	973.2	951.7	360.9	878.8	891.9	820.9	878.2	0
14	MURPHY, Jack	7788.2	72.08	7788.2	885.7	649.4	408.5	0	970.1	470.6	562.6	937.9	937.9	856.4	544.1	565	0
15	PINE, Peter	7634.8	70.66	7760.9	241.1	972.7	334.4	882.7	1000	890.9	126.1	197.6	522.5	923.5	735.3	934.1	126.1
16	RYAN, Gary	7067.4	65.41	7351.6	312.6	747	878	648	625.9	352.3	284.2	364.3	542.4	783.9	929.8	883.2	284.2
17	GIBSON, Paul	6809.7	63.02	6809.7	957.5	558.8	622.2	135	598.5	577.1	531.7	977.5	1000	851.4	0	0	0
18	FORD, Brian	5869.8	54.32	5869.8	1000	893.5	924.1	979.2	804.6	1000	0	268.4	0	0	0	0	0
19	ARNOLD, John	5859.2	54.23	5859.2	239.2	348.9	278.8	0	0	845.9	574.6	834.3	790.9	812.1	586.5	548	0
20	LEWIS, Michael	5400.5	49.98	5605.9	205.4	465.1	275.7	474.9	225.7	781.8	527.4	270.8	277.2	933	897.7	271.2	205.4
21	METZGER, Klaus	4306.6	39.86	4306.6	689.9	729.1	0	0	947.1	928.4	742.7	269.4	0	0	0	0	0
22	LEWIS, Daniel	3654	33.82	3654	171.6	362.9	189.3	0	668.1	778.4	311.4	288.9	159.3	309.7	174	240.4	0
23	BRAND, Guy	1775.6	16.43	1775.6	0	0	0	0	890.8	884.8	0	0	0	0	0	0	0
24	WORKMAN, Stephen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

short and I had model issue on landing approach. After that I worked my way gradually up the list and at the end of round 11 was in 4th only to record another zero on the final flight of the day, slipping ignominiously back down the list.

David still finished 8th as you can see from the list above - to be in the top ten in good company is an achievement any time!

The winch launch part of the Expo commenced on the Saturday with 24 entries (similar size to F5J) and 10 rounds were flown. David Pratley from Melbourne excelled to come out on top of big names like Jim Houdalakis, Marcus Stent, David Hobby. Again, top four places went to Victoria, then Steve Keep (NSW), Evan Bengtson (QLD), Ken Fox (QLD) and so on. See the full results on the next page. Then see page 6 for a group of images from F5J. Next year this event will be an F5J team selection trial.

Open Thermal - Overall Results

[Armidale 27/01/2018]

www.GliderScore.com

Rank	Name	Score	Pcnt	Rnd1	Rnd2	Rnd3	Rnd4	Rnd5	Rnd6	Rnd7	Rnd8	Rnd9	Rnd10
1	PRATLEY, David	9979.9	100.00	988.5	1000.0	1000.0	1000.0	998.6	1000.0	1000.0	1000.0	992.8	1000.0
2	HOUDALAKIS, Jim	9706.0	97.26	1000.0	994.3	997.1	994.3	1000.0	1000.0	1000.0	1000.0	723.2	997.1
3	STENT, Marcus	9669.4	96.89	995.7	998.6	992.8	1000.0	998.6	1000.0	1000.0	842.6	1000.0	841.1
4	HOBBY, David	9366.5	93.85	1000.0	1000.0	998.6	1000.0	1000.0	1000.0	769.2	1000.0	598.7	1000.0
5	KEEP, Steve	9345.6	93.64	1000.0	1000.0	1000.0	997.1	1000.0	1000.0	780.8	567.7	1000.0	1000.0
6	BENGSTON, Evan	9065.9	90.84	997.1	998.6	990.0	1000.0	1000.0	994.3	719.2	462.5	1000.0	904.2
7	FOX, Ken	9031.8	90.50	995.7	991.4	971.4	988.3	997.1	844.6	1000.0	968.6	798.6	476.1
8	MAYHEW, Alan	9020.2	90.38	998.6	1000.0	1000.0	986.9	623.6	997.1	822.3	985.7	934.5	671.5
9	CARTER, Gerry	8966.2	89.84	998.6	995.7	1000.0	998.6	997.1	808.4	794.2	609.7	774.0	989.9
10	FORD, Brian	8778.4	87.96	870.3	987.0	992.8	660.9	703.8	734.9	991.4	843.0	995.7	998.6
11	WOODWARD, Colin	8755.6	87.73	685.4	991.4	1000.0	988.5	698.3	985.7	890.4	1000.0	558.0	957.9
12	MURPHY, Jack	8115.1	81.31	809.8	719.8	865.8	988.6	953.6	689.2	742.1	507.4	869.0	969.8
13	CRANDON, Phil	8038.4	80.55	871.8	803.2	848.4	1000.0	998.6	533.1	740.4	600.0	861.3	781.6
14	ZAMBELLI, Jamie	7998.3	80.14	998.6	979.9	995.7	510.8	568.4	977.0	490.0	847.1	1000.0	630.8
15	ODDY, Hutton	7557.3	75.73	989.9	855.3	978.4	579.0	653.7	998.6	634.6	554.8	869.0	444.0
16	JOHNSON, Scott	7413.7	74.29	724.8	979.8	998.6	1000.0	642.1	596.5	253.8	666.7	551.4	1000.0
17	SPAIN, David	7230.8	72.45	982.7	1000.0	978.4	954.2	977.0	418.1	275.0	783.3	369.3	492.8
18	CRANDON, David	7198.8	72.13	691.6	852.4	923.9	885.2	896.6	532.4	634.7	757.5	605.8	418.7
19	VIRTUE, Nigel	7061.0	70.75	998.6	333.8	965.6	969.8	676.2	755.4	425.0	840.6	669.1	426.9
20	METZGER, Klaus	6972.1	69.86	495.7	997.1	938.4	718.8	991.3	509.3	270.8	866.7	566.7	617.3
21	WILKS, Garry	6542.1	65.55	687.8	507.9	856.9	692.5	837.4	477.8	922.6	432.3	730.3	396.6
22	WARMAN, Clive	5912.1	59.24	1000.0	997.1	994.3	1000.0	785.0	989.9	145.8	0.0	0.0	0.0
23	KINGDOM, Des	5909.3	59.21	251.1	330.0	702.6	566.5	930.3	876.4	714.9	403.5	420.3	713.7
24	HUNGERFORD, Geoff	4030.3	40.38	349.2	851.8	658.0	915.3	530.8	725.2	0.0	0.0	0.0	0.0



Above: Marcus Stent receives his award
Below: Jim Houdalakis receives award



Above: Ross Ginder receives his award from Hutton Oddy
Below: Klaus Metzger is one of the fliers trying the Wurts Plus



Above: Egida flown by John Arnold, Bundaberg.
Below: Ladislav donates a measuring tape to Evan



Post in “F5J Australia” Facebook page by Marcus



Marcus Stent

Yesterday at 12:13am

The Armidale Sailplane Expo was an awesome event and a lot of fun. Thanks to Hutton, Kevin and the local club members for the great effort running the event and for their welcoming hospitality, I will definitely be back! I managed 1st (Stork) Jim 2nd (Perfection) and Ross 3rd (Stork). The key to doing well was the ability to read the air and change launch height with changing conditions, so I had everything from 60m to 215m. A huge thanks to my team of Les, Alan, Jim and Gary, they were a huge help in discussing the air before launch and keeping an eye out for lift. The only flight I really pushed the height limit on was the last one (when I knew it would not change the result) and was looking OK until massive sink dropped me outside the 75m, hence the 0.



Acknowledgement

...

How is the Expo organised?

It all began in 1980, and over the years many people have contributed to the organisation of the Sailplane Expo. It was started by a team of three - David Morgan, Tony Hall (deceased) and Peter Pine as three Armidale fliers and founding members of NEMAC (the local club). Over the years as people moved around, David Morgan and NEMAC carried the can for some years. When David retired to Toowoomba, a Sailplane Expo Trust was formed with members from Brisbane, Lismore, Coffs Harbour and Moree. At first the event was organised from a distance with no Armidale people, but then Hutton Oddy joined the Trust and has been the main man for some time now, and the only Armidale member of the Trust. Only a few members of the trust remain active, but a big vote of thanks must be given to Hutton for carrying the major load of organisation and running the event. Thank you Hutton!

Generous Donation

The AEFA contributed equipment for the running of F5J at the 2018 Sailplane Expo - in particular PA, laptop and printer. The Expo Trust have generously donated \$250 to the AEFA for its ongoing work. Thank you Hutton and the Expo Trust!

FXJ Milang 2018

The annual international gliding event that takes place in Milang, South Australia, run by the Southern Soaring League, took on a new face in 2018. This year, with F5J and F3J combined in the one event, flying continued for four days.

The event began with a full day of F5J on Friday 9 March, and this time the event was the first in a series of events that will choose the Australian team for the first F5J World Championship to be held in Slovakia in 2019 (see p. 24 for details of the selection trials). Amazingly, 32 fliers took part in this event and 11 of them nominated as aspirants for the F5J WC team. The 32 fliers makes this event equal in size with the previously biggest F5J event held in Oz - the Australian F5J Trophy held in Canberra in November 2017.

F5J flying continued in trying and very hot conditions for half a day on Saturday 10 March. Twelve rounds were completed and many outlandings executed in the trying conditions. The eventual overall winner was Joe Wurts from New Zealand - no real surprise.

Eight of the fliers were from overseas, so they were removed from the results to give the Aussie scoreboard of 24 fliers and allow the team selection process to be managed with Aussie fliers only. On the next page, see the Aussie results and note that WC aspirants are marked with a "T".



Thumbnails from the FXj Event - for larger images, see the SSL Facebook page

Consequently, Andrew Meyer, Marcus Stent and Nick Chabrel are the top three contenders to become the Aussie F5J team at the moment, but there are three events to go in the selection process - it is not all over until the fat lady sings!

Starting at lunch time Saturday, two full days of F3J flying commenced and concluded at lunch time Monday. Results are on page 10. You can see

that 29 fliers took part and again, no surprise, Joe Wurts won. It is interesting that the F5J entry now exceeds that of F3J - more winch launch fliers are seeing the advantages of electric glider soaring! This replicates the Sailplane Expo figures on previous pages where the F5J entry equalled F3J.

Zero scores continued to feature in F3J, so the conditions must have continued to be challenging.

F5J International 2018(1) - Overall Results

[Milang 9/03/2018]

www.GliderScore.com

Rank	Name	Class	Score	Pcnt	Raw Score	Rnd1	Rnd2	Rnd3	Rnd4	Rnd5	Rnd6	Rnd7	Rnd8	Rnd9	Rnd10	Rnd11	Rnd12
1	MEYER, Andrew	T	10481.12	100.00	11177.62	959.59	980.68	975.29	*696.50	1000.00	946.81	883.59	1000.00	970.58	972.94	947.09	844.55
2	WOOD, Matt		10226.63	97.57	10226.63	983.89	990.03	1000.00	1000.00	252.71	*0.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
3	MOORFIELD, Paul		10167.38	97.01	10454.17	938.75	897.74	730.83	980.28	984.98	*286.79	1000.00	883.84	874.23	983.05	964.44	929.24
4	STENT, Marcus	T	10100.17	96.37	10100.17	995.76	953.48	961.66	1000.00	924.02	943.15	*0.00	800.35	600.54	1000.00	954.03	967.18
5	CHABREL, Nick	T	9541.76	91.04	9541.76	967.62	970.09	*0.00	1000.00	982.34	982.77	595.64	703.53	823.52	997.36	561.21	957.68
6	PRATLEY, David	T	9460.09	90.26	9460.09	972.87	950.16	815.74	638.86	1000.00	1000.00	*0.00	985.98	976.55	806.28	313.65	1000.00
7	SCHULTZ, Trevor		9200.99	87.79	9478.02	960.62	803.98	984.79	383.31	915.19	324.78	960.31	998.24	980.16	908.47	*277.03	981.14
8	HOUDALAKIS, Jim	T	9081.17	86.64	9481.54	754.23	872.09	997.31	991.04	934.62	689.45	*400.37	625.80	515.28	865.43	1000.00	835.92
9	STONE, Mark		9008.87	85.95	9421.09	491.58	960.13	638.64	938.77	1000.00	1000.00	955.30	521.01	*412.22	728.23	912.40	862.81
10	FARRAR, Don	T	8158.07	77.84	8158.07	1000.00	979.20	993.73	923.00	0.00	0.00	*0.00	1000.00	580.70	857.62	851.65	972.17
11	NANCARROW, Jamie		8116.03	77.43	8116.03	969.37	895.14	971.03	901.43	973.49	244.06	654.56	779.86	586.50	913.61	226.98	*0.00
12	KENT, Bill		7863.43	75.02	7863.43	489.89	935.00	400.72	985.66	661.95	842.96	*0.00	424.69	715.96	824.57	1000.00	582.03
13	HASKELL, Daniel	T	7798.46	74.40	7798.46	939.83	843.82	391.82	975.15	0.00	301.99	916.22	*0.00	1000.00	897.45	633.13	899.05
14	GINDER, Ross	T	7667.83	73.16	7667.83	953.70	1000.00	1000.00	995.52	0.00	914.56	0.00	883.53	920.52	1000.00	0.00	*0.00
15	POTTER, Greg		7555.83	72.09	7555.83	932.63	840.55	813.95	550.13	0.00	826.68	0.00	931.41	934.25	959.54	766.69	*0.00
16	BENGSTON, Evan	T	7544.42	71.98	7544.42	1000.00	1000.00	0.00	0.00	0.00	902.35	1000.00	910.68	948.60	904.88	*0.00	877.91
17	BAXTER, Mal		6796.51	64.85	6796.51	458.75	975.73	0.00	658.38	743.15	259.25	851.02	598.35	633.21	618.67	*0.00	1000.00
18	BARRENGER, Chris		6704.78	63.97	6704.78	1000.00	1000.00	806.79	972.22	631.95	240.31	659.61	404.39	989.51	0.00	0.00	*0.00
19	ZIMMERMAN, Christian		6673.60	63.67	6673.60	891.51	846.34	1000.00	353.62	0.00	780.30	562.38	*0.00	921.55	685.86	188.56	443.48
20	O'REILLY, Mike	T	6664.60	63.59	6664.60	822.39	954.31	902.04	0.00	995.47	1000.00	0.00	33.18	1000.00	582.89	*0.00	374.32
21	SAFARIK, Ladislav	T	6256.15	59.69	6520.17	627.96	801.00	307.50	446.23	532.21	790.88	524.62	342.92	537.42	545.76	799.65	*264.02
22	MERRYWEATHER, Brad		6215.66	59.30	6215.66	648.14	982.66	*0.00	557.23	459.23	793.32	324.16	340.34	800.00	662.71	339.58	308.29
23	FRIZELL, Mike		5293.41	50.50	5293.41	641.41	778.23	955.20	237.45	926.67	242.03	904.92	607.50	0.00	0.00	0.00	*0.00
24	BOWDEN, Gavin		3072.49	29.31	3072.49	280.50	296.51	737.03	263.20	188.87	471.92	0.00	0.00	444.63	389.83	0.00	*0.00

F3J International 2018 - Overall Results [Milang 12/03/2018]

www.GliderScore.com

Rank	Name	Score	Pcnt	Raw Score	Rnd1	Rnd2	Rnd3	Rnd4	Rnd5	Rnd6	Rnd7	Rnd8	Rnd9	Rnd10	Rnd11	Drop1
1	WURTS, Joe	9979.64	100	9979.64	1000	994.09	996.82	992.65	1000	999.71	0	1000	1000	1000	996.37	0
2	HOUDALAKIS, Jim	9975.62	99.96	10211.85	985.6	1000	1000	1000	996.22	994.38	999.42	236.23	1000	1000	1000	236.23
3	WOOD, Matt	9881.15	99.01	10387.31	988.77	993.91	998.83	993.75	995.36	982	996.81	939.8	506.16	991.92	1000	506.16
4	MEYER, Andrew	9854.99	98.75	9854.99	996.66	955.08	995.8	994.51	993.19	984.01	947.35	0	997.24	994.2	996.95	0
5	ARVANITAKIS, Theo	9833.06	98.53	10658.02	824.96	999.85	890.33	1000	1000	1000	993.32	994.06	998.11	999.56	957.83	824.96
6	HASKELL, Daniel	9768.05	97.88	10199.15	1000	941.59	997.21	981.95	993.64	985.49	1000	868.17	431.1	1000	1000	431.1
7	WILLIAMS, Peter	9652.14	96.72	10448.3	849.42	999.42	1000	988.33	1000	998.84	849.11	990.58	992.46	983.98	796.16	796.16
8	BOTHERWAY, Kevin	9644.44	96.64	9644.44	989.04	1000	997.66	1000	996.53	991.64	1000	782.99	0	1000	886.58	0
9	O'REILLY, Mike	9432.8	94.52	9995.72	1000	1000	991.61	995.09	997.67	1000	562.92	1000	652.09	801.41	994.93	562.92
10	PRATLEY, David	9398.91	94.18	9398.91	956.35	990.27	963.05	0	982.63	982.58	1000	973.04	803.31	766.14	981.54	0
11	DRABBLE, Len	9395.94	94.15	9999.33	1000	988.41	906.73	994.19	996.08	948.54	883.85	603.39	990.58	989.42	698.14	603.39
12	CHABREL, Nick	9271.95	92.91	9271.95	975.49	995.21	1000	989.49	1000	1000	526.48	1000	1000	785.28	0	0
13	STONE, Mark	8955.41	89.74	8955.41	975.67	985.48	865.45	984.84	992.76	868.62	989.29	0	632.42	660.88	1000	0
14	BLOW, Darrel	8842.89	88.61	8842.89	996.65	944.29	978.13	931.1	949.9	998.69	0	395.48	718.53	936.37	993.75	0
15	POTTER, Greg	8776.51	87.94	8776.51	864.87	616.66	942.41	993.07	989.98	0	936.91	978.11	472.48	988.4	993.62	0
16	NANCARROW, Jamie	8640.97	86.59	8640.97	987.82	1000	985.56	0	991.62	1000	987.12	707.55	983.19	0	998.11	0
17	BARRENGER, Chris	8585.28	86.03	9227.33	973.37	685.2	987.15	653.12	994.94	985.59	642.05	695.66	926.11	689.65	994.49	642.05
18	THOMAS, Connor	8520.81	85.38	8958.04	909.61	976.77	977.01	988.38	967.5	835.75	437.23	827.66	875.1	568.96	594.07	437.23
19	MOORFIELD, Paul	8487.97	85.05	8487.97	987.62	903.23	1000	0	992.05	996.82	980.13	1000	0	753.91	874.21	0
20	SCHULTZ, Trevor	8448.18	84.65	9108.48	850.51	830.43	754.02	732.41	985.52	956.35	1000	769.78	660.3	879.71	689.45	660.3
21	BAXTER, Mal	8267.39	82.84	8661.69	394.3	469.36	969.79	912.75	671.28	944.57	983.51	918.7	872.4	632.98	892.05	394.3
22	KUSIAK, Ziggy	7822.78	78.39	8303.56	854.83	480.78	603.95	954.21	534.18	599.24	941.07	554.99	1000	944.92	835.39	480.78
23	MERRYWEATHER, Brad	7380.22	73.95	7380.22	950.72	881.15	971.09	520.66	509.6	982.75	410.44	470.13	992.46	691.22	0	0
24	CARTER, Gerry	7341.9	73.57	7341.9	991.92	597.38	970.41	1000	987.44	0	0	791.92	625.59	605.08	772.16	0
25	ZIMMERMAN, Christian	7319.25	73.34	7604.75	285.5	969.52	942.41	948.32	967.5	456.71	540.03	508.25	554.5	562.68	869.33	285.5
26	FAULKNER, Ian	5772.61	57.84	5772.61	0	674.89	521.08	676.34	422.98	479.76	950.24	520.21	388.84	561.24	577.03	0
27	KENT, Bill	4956.29	49.66	4956.29	0	0	844.02	688.61	836.1	968.11	0	0	0	957.82	661.63	0
28	WHITFIELD, Garry	4287.04	42.96	4287.04	995.19	519.64	989.79	825.83	956.59	0	0	0	0	0	0	0
29	LEWIS, Warren	3990.26	39.98	3990.26	935.54	0	790.57	842.21	485.67	511.63	424.64	0	0	0	0	0

Check pages 19/20 for information on the NEFR that is only one week away - and consult the AEFA web site for an entry form. Place your late entry with Peter Pine! Enter now if necessary and pay later.

F5B Team for WC

Yes, we have an Aussie team heading to the F5B/F5D World Championships in Japan in July this year. You can see the team in the photo to the right. Bill Hamilton (left) and Brett Solanov (right) are competing as Seniors, and 10 year old Owen Solanov (centre) is competing in the Junior class.

Young Owen has become a brilliant flier and will acquit himself well - you can see him on the right with his two aircraft.

Recently the team attempted a practice event in the form of the Ray Pike Memorial Competition at Mansfield, Victoria on 23-25 February. Brett Solanov says:

Sadly not much to report. 8 potential competitors made the journey to Mansfield, including one from Japan and another from Germany, but after just one round of flying the weather closed in and it rained most of Saturday. A few practice flights were achieved in the afternoon which was helpful for the World Champs Team. Sunday was too windy to fly and so the whole weekend concluded with no official competition result.

There will be another weekend of F5b held in Mansfield over the Easter weekend for anyone interested.



Bill Hamilton at Base A - Ken from Japan calling



Keith Flatt at Base A - Mike Beatty calling

Electric Gliding Events Proliferate

There certainly is a trend towards electric gliding - all kinds of events where the winch is in the nose of the aircraft. There are now 22 events with F5J included that are scheduled on the AEFA calendar for 2018 (see balance of the events for this year on pages 22 to 24. Even the long-running Hunter Valley Championships that used to include thermal glider now includes F5J - congratulations to Hutton Oddy for winning the first Muswellbrook event! Another F5J event has now been added to the Queensland calendar as well - see the announcement on p.24.

Not only that - other events are turning to electric launch. The popular Millennium Cup that has been running for 18 years was dwindling, so organisers turned to electric gliding and the numbers jumped - see the results from Round 2 to the right with 24 competitors taking part in Goulburn.

Even the Ted Swan Cup at Goulburn that has been running for ages has turned to electric glider rules - fun type without heavy organisation and a tight schedule.

On the next two pages you will see details of a Vintage Electric Glider event that is commencing at the NEFR this month - five entrants so far - and it takes a serious scratch build to join in this one. I have just heard that Vintage Electric Glider has been added to the Slovakian Eurochamp contest next June.

On page 18, you will see that the Lake George Club is launching a fun electric glider event called the Southern Region Electric Glider Competition based at Canberra, Goulburn and Cooma. The rules are similar to those that are being used at HSL Club Competition Days and the Ted Swan Cup.

So - altogether there are 35 electric gliding events on the calendar - if you have not tried electric gliding you are missing out on the groundswell of popularity for simple glider launching!

Millennium Cup Rnd 2 2018 - Overall Results

[Goulburn 11-Feb-18]

www.GliderScore.com

Rank	Name	Score	Pcnt	Raw Score	Rnd1	Rnd2	Rnd3	Rnd4
1	METZGER, Klaus	1370.0	100.00	1370.0	368.0	417.0	396.0	189.0
2	LODDEN, Fred	1325.0	96.72	1325.0	404.0	386.0	360.0	175.0
3	MANWAERING, Grant	1322.0	96.50	1322.0	405.0	209.0	345.0	363.0
4	WESTON, Kevin	1207.0	88.10	1207.0	309.0	197.0	372.0	329.0
5	WATSON, Rob	1096.0	80.00	1096.0	240.0	301.0	319.0	236.0
6	WEATHERSTON, Steve	1065.0	77.74	1065.0	236.0	355.0	328.0	146.0
7	GIBSON, Paul	1055.0	77.01	1055.0	204.0	213.0	292.0	346.0
8	MALONE, Geoff	1040.0	75.91	1040.0	280.0	165.0	255.0	340.0
9	LEWIS, Brian	1037.0	75.69	1037.0	216.0	208.0	326.0	287.0
10	RODRIGUEZ, Veron	1027.0	74.96	1027.0	216.0	372.0	271.0	168.0
11	BURKE, Barry	1002.0	73.14	1002.0	204.0	182.0	384.0	232.0
12	WADESON, Dave	984.0	71.82	984.0	263.0	302.0	279.0	140.0
13	ANDREWS, Gary	975.0	71.17	975.0	158.0	148.0	271.0	398.0
14	STEVENSON, Phil	943.0	68.83	943.0	335.0	224.0	202.0	182.0
15	SMITH, Trevor	936.0	68.32	936.0	236.0	275.0	259.0	166.0
16	WOODWARD, Colin	918.0	67.01	918.0	286.0	293.0	222.0	117.0
17	MURPHY, Jack	907.0	66.20	907.0	403.0	211.0	194.0	99.0
18	SAFARIK, Les	851.0	62.12	851.0	207.0	274.0	185.0	185.0
19	FUNK, Rob	847.0	61.82	847.0	201.0	273.0	213.0	160.0
20	RATH, Wilf	714.0	52.12	714.0	221.0	229.0	107.0	157.0
21	MORRIS, Les	667.0	48.69	667.0	173.0	128.0	105.0	261.0
22	ROSS-CLIFT, Geoff	658.0	48.03	658.0	147.0	278.0	233.0	0.0
23	WOODWARD, Ken	637.0	46.50	637.0	198.0	148.0	291.0	0.0
24	STROMBERG, Ivar	539.0	39.34	539.0	157.0	179.0	124.0	79.0

Electric Vintage Gliders

by Mike Colston

In 2016, the AEFA was given the role of reviewing the competition rules for Electric Old Timer (EOT) and proposing any changes they considered necessary. As part of that review it was proposed to introduce a new event, Electric Vintage Glider (EVG). This proposal was adopted after a vote by members of AEFA interested in EOT.

The new event is intended to encourage the construction of Vintage (pre 1956) gliders where the use of a standard glider winch to gain height is replaced by a “winch in the nose” in the form of an electric motor. This will allow participation in Old Timer events by electric glider pilots. As noted the event will be open to all Vintage Gliders which were designed, kitted or published before 31 December 1956. A number of people have been building and flying these lovely old models for some years, notably Gary Ryan and Alan Mayhew in Victoria, and it was felt that the time was right for this class to have its own event.

The event format will be basically be the same as the Height Limited Old Timer (HLOT) event. The models will be fitted with a height limiter that will cut off the motor when the model reaches 200 metres, or after 30 seconds, whichever comes first. The pilot will then have to attempt to complete a total flight time of 7 minutes without



*Above - Mike Colston with his smaller model - the 2m version
Above right - the 120” Sunspot
Right - Phil Stevenson with his 120” Sunspot*

any further motor run, making it an interesting and challenging event. (HLOT is currently one of the few EOT events that rarely requires a fly-off due to the challenging nature of the task).

The new class has generated considerable interest and is being formally included in the EOT Postal Competition this year and



in the EOT component of the National Electric Flight Rally (NEFR) this Easter. Currently five or six models coming for this event.

The models were, generally, originally designed as free flight, towline gliders and have to be modified for both radio control and electric propulsion, which makes the build more interesting. A number of companies offer partial kits for these models and it takes many of us back to the first models we built in the 50's and 60's out of balsa, tissue paper and dope!

People are generally building big models, 3 metres being common, as this makes them easier to see at 200m! My first attempt was a 2 metre model which I soon broke when I lost orientation in a strong thermal. I have now built a 120" Sunspot, after seeing the beautiful example built by Phil Stevenson, which I hope to fly at the NEFR this Easter.

These are truly lovely graceful old models and I have attached a couple of photos that I hope will inspire you to build one for yourself. You do not need to be interested in EOT. It is a wonderful, relaxing sideline for all those hardcore F5J pilots looking for a more laid back event flying these beautiful, slow flying, docile models that are generally a pleasure to fly.

So why not give it a go and build yourself a beautiful EVG model and join, at least for this event, the happy EOT fraternity.

Trevor Smith displays his bare bones Thermalist

Wingspan - 3.435m

Weight - 2.77kg

Motor - Turnigy

Gliderdrive

ESC- Turnigy Plush 60A

Aero-naut 12x8" prop but with 72mm centrepiece

LiPo - 2200-3S 45C

Servos - 2 x KST-DS145MG

Published - Aeromodeller

December 1948



Thermalist finished and ready to go - looking forward to seeing it fly this Easter at the NEFR at Canberra

See info on the NEFR on pages 19-20.

Consider coming along and join in the fun!

How Does the AEFA Operate?

As you probably know, it is free to join the AEFA and numbers have swollen to nearly 400 members. You may also know that the AEFA provides significant equipment for running events, in particular F5J. The equipment list includes several PAs, printers, a laptop, spot landing markers and tapes, safety corridor tapes, a laminator, (for certificates) and data loggers to loan to people who want to try F5J.

The AEFA also runs postal competitions in Electric Old Timer (EOT) and gliding tasks - Radian and F5J. The Radian event gives any glider flier a chance to enter a simple task and improve their gliding. The F5J postal gives adherents chance to practice the event and submit scores, rather than just flying aimlessly between events.

The AEFA also produces this E-magazine, and runs a National Rally every Easter that has been going since 1988 - next one in one week at Canberra.

Where does the AEFA obtain funding?

Only from running events! Typically, if the AEFA helps run an F5J event (for example), half of the entry fees go to the host club, and half to the AEFA. 10% of what the AEFA receives goes to the international funds to assist fliers competing overseas. Thank you to those who have contributed to the AEFA, and give their time freely to help run the interest group.

Gliderscore is Tops!

Yes, the scoring program for running glider events has been developed by Gerry Carter from Melbourne, and is used all over the world. The AEFA is extremely grateful to Gerry for his program and for all the support he has freely given; we have called on him often!

Previously the AEFA donated a sum of funds to help cover Gerry's costs, and recently another \$200 has been forwarded to Gerry. Thank you Gerry - and may the program continue & prosper!



Damaged Pulsar retrieved after a vertical arrival into the trees!



Repaired Pulsar ready to go again - it's never as bad as it seems!

More About LiPo Management

by Peter Pine

I had quite a few people respond to my article about the need to balance your LiPo packs - and to monitor the balance - to make sure they perform well, and last longer.

I came across some more advice from Hyperion and thought it was worth passing on - there are some surprises here:

1. Always store your packs at 3.8V per cell.
2. Never discharge below 3.0-3.5V per cell.
3. **Never leave your LiPo packs fully charged for more than 24 hours (this was a surprise to me and has modified how I manage my packs).**
4. If you are not going to use your packs, discharge down to 3.6-3.8V per cell (50-60% storage charge).
5. For long term storage, discharge your packs down to 40% charge.
6. At 80% discharged, a LiPo pack will give an approximate open circuit voltage of about 3.74 to 3.75 volts. Try to go no further!
7. Dispose of your LiPo packs by fully discharging them, then piercing the pack and soaking in salt water.

Powerline Motors for F5J

Jack Murphy sent through information about the Powerline F5J motors made in Germany. These are small and light motors - very thin with an inline gearbox. They are expensive but good quality. The blurb on their site says:

During the last years we have been able to expand the Powerline micro F5J series continuously. This success is due to the countless winners with our drives.

With our brand new Powerline Micro F5J (turbo) series, equipped with integrated, active engine cooling, we respond to the new trend in competitive flying.

The gliders are nowadays built more and more lightweight, for competition 1400g and less. For being able to fly at more windspeed, the gliders are often equipped with ballast framework. This is where our new and more powerful Powerline micro F5J (turbo) comes to fruition. On our website you will find them here:

<http://www.klapptriebwerk.de/produkte/antriebe/antriebe-fuer-f5jf3j-modelle-neue-serie/?lang=en>

The old motors without cooling we will sell furthermore with new prices.



Model Flight stock the Powerline motors and you can see them on their web site - their blurb says:

The Powerline Micro 1015/F5J is an ultralight and ultra-compact power system for smaller competition F5J electric and sports gliders. The powertrain consists of a powerful Lehner 1015 ultra high efficient brushless motor fitted to a 6.75:1 high reduction ratio planetary gearbox. The gearbox is both efficient and tough, so will withstand F5J competition arrivals.

Weight:79 g (without wires)

Length:60 mm

Motor diameter:22 mm

Shaft diameter:5 mm

Input power:380 W

Recommended battery:2s up to 1000mAh

Recommended prop: 16 x 10

Recommended ESC: 60-70Amp

Reconstruction Story

Old gliders never die - here is a story from Gus Fox in Cairns, who purchased a secondhand, battered Sagitta 900 glider from Brisbane five years ago.

Gus sent through before and after photos that you can see featured here. Some rebuilding was required, the rudder for example was shattered. Gus did a great job and electrified the Sagitta.

Specs of the electric Sagitta:

- Motor - Hacker A20-6XL
- Speed control - Hifei 60A-G-SE
- Prop - Aeronaut folding 14 x 8
- Battery - Graphene 1300 mAh 3S 65C
- Enough for launch, 3 more climbs, 1 go around for landing
- Draws 15 Amps 1/2 speed - 30 Amp full speed

Gus finished the conversion recently and its maiden flight was 20 minutes. Gus says it was an absolute delight to fly.

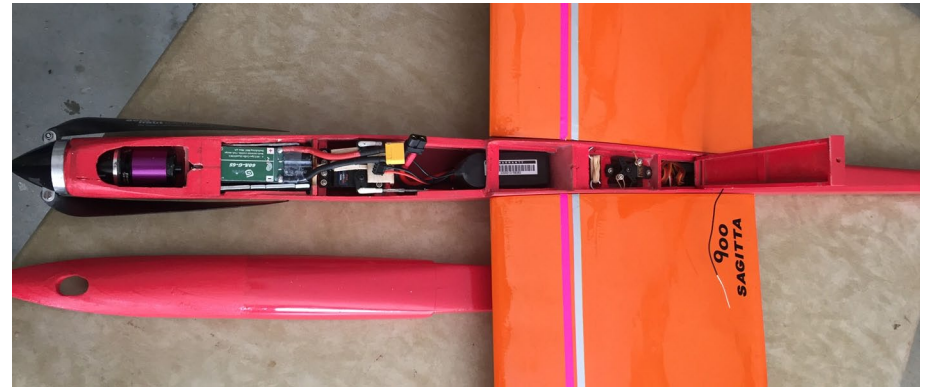
Maybe this will encourage you to dust off an old glider and convert it to electrics - there is lots of flying left in these old beasts.



Above - the model as it arrived in the box - the broken rudder is not visible.



The original glider fuselage - note the huge lump of lead in the nose - now replaced with motor & LiPo.



Above and below right - the reconstructed model. Gus did a fine job and has been rewarded with a great model.



Southern Region Electric Glider Competition 2018**Lake George Round 1**
Sunday 11 March 2018

Contact Grant Manwaring: 62411320

We are running a simple 3 round event that most flyers can participate in and enjoy. The event will consist of two classes, up to 2.6 meters and above 2.6 to a maximum of 4 meters. This allows for a range of models from basic Radian and simple built up converted wooden glider to the full F5J type competition models.

To fly in the event models will need to be equipped with a height limiting device in the model set to 200 meters or 30 seconds cut off. Devices such as the Soaring Circuits CAM, or the Altis V.4 device are suitable, there are others as well.

We envisage a 9.45am pilots briefing, 10.00am start time with a lunch break around 12.30pm. Lake George Soaring League as the host club will be providing lunch catering. With reasonable weather we should complete the event by around 3.00pm.

For each event we will award a trophy for 1st, 2nd and 3rd place. We will aggregate the scores recorded in each round and award a perpetual Leader Board trophy for the overall year winner. A nominal entry fee will be charged to cover the trophy costs.

Come along and enjoy some gliding fun.

**The Rules.**

Launching method, electric motor, height limited to 200 meters or 30 seconds.

All flights will count. No attempts allowed. Total flight time of 30 minutes from 5 flights to be flown in rounds.

Maximum flight time per flight is 8 minutes, deduct 1 point over 8 minutes.

Timing starts when motor stops and stops when models first contacts ground.

Landing to be in defined area, outside this area is a zero for that round.

Last flight to be 1 minute or more, with CD to appoint timers for this round.

Pilots responsible for their own time calculations, these to be submitted to the CD on completion of each flight.

A tie result on the day will result in a fly off, closest flight time to 6 minutes will be declared the winner.

Flyers can fly in one class or other, but not both on the same day.

Future round dates:

Cooma - Round 2 - 20 May 2018

Contact Rick Harris 64525484

Goulburn - Round 3 - 2 December 2018

Contact Paul Marshall 48215869

Time to prepare for the National Electric Flight Rally 2018 - details next page



NEFR 30th March - 1st April 2018
NAAS Club Field, Canberra

Come Explore Fly

Australian Electric Flight Association

Food: All day from 8:30 Sausages Bacon & Eggs Steak Sangas Coffee Tea Soft drinks	Events: Foamy Pylon LEG Radian Old Timer F5J Scramble Scale	NAAS: Legendary Lamb Roast Sunday night. \$30 per head. It's worth going just for this!	GPS coordinates: -35.583815 149.061196
---	---	---	---

National Electric Flight Rally now only one week away! A great event! Visit the AEFA web site and see a link on the home page Contact Peter Pine for a late entry! See you there!

Bring yourself, bring the family next Easter and come to Canberra.
There's lots to do in Canberra and then there's
the flying which will be great.

Full details including, entry form, accommodation options,
directions, event descriptions, event CDs, nearby places to visit
are all here on the [AEFA website](#).

**Bring your aircraft and skill to the fantastic, unrestricted, safe
Willie Emmett Flying Field south of Tharwa**

Event includes Annual AEFA AGM and Dinner:

Vikings Club - **7:00 for 7:30pm, Saturday March 31st, 2018**
Corner Athllon Drive & Rowland Rees Crescent, Greenway ACT 2900 (20 minutes drive from field)

BaaMoo Room, at back of restaurant. \$50 per head
Alternate drop main course and sweets - bar available

Contact Details for AEFA Executive & Event Director

Trevor Smith - President - 0411 887 350 - trevor_d_smith@bigpond.com

David Lucas - Treasurer and NEFR entries - (02) 6676 4107 - rivercat@mac.com

Peter Pine - Event Director - (02) 6676 1437 - ppine@northnet.com.au

Event rules, including F5J changes, entry form etc visit Australian Electric Flight Association web site

www.aefanet.com

For NAAS website visit www.naas.org.au

F5J at the MAAA Nats West Wyalong Courtesy of the AEFA

The AEFA has put its hand up to run an F5J event at the MAAA Nats being offered at West Wyalong a couple of weeks after Easter next year. Several AEFA fliers are keen on supporting the traditional Nats, so will be attending and helping by running this event.

F5J is being held at the West Wyalong Airport. A practice day has been nominated as Wednesday 25 April, and F5J will then be flown over the next two days on Thursday 26 and Friday 27 April. Terry Scolari is going to act as Contest Director and I am sure he will receive help from Mal Pring and Mel Gillott.

Maybe you might like to schedule coming to the National Electric Flight Rally in Canberra at the NAAS field over Easter (30 March - 1 April), and then move on to the Nats in West Wyalong. For more information and registration, consult the Nats Web site:

<http://www.maaaevents.com.au>

Slovakian Triangle 2018

The three events run in Slovakia in the one week are being held in July in 2018 to avoid the European Championships in Bulgaria. The events are:

July 16-17	Dubnica SK F5J
July 19-20	7th F5J World Cup at Trnava - MAAA approval required
July 21-22	3rd World Challenge open event - Trnava

The AEFA is assisting another Aussie team attend these events and gain experience - four fliers already committed (Hutton Oddy, Bob Wilson, Don Farrar and Ladislav Safarik).

Alice Springs Masters Games Model Flying with F5J Included

A Masters Games event is scheduled for Alice Springs next year between 13 and 20 October, 2018. People come from all over the world to enjoy this event. For the first time Model Aircraft Flying is included on the program. The three classes being competed are Scale Aerobatics, F5J and Vintage Old Timer! The events are being organised by Aeromodellers Northern Territory (John Adams made us aware of it) and will take place at the Pedder Field. Minimum age for this Masters Games is 35, with two categories being competed - 35 to 49, and 50+.

If you would like a trip to the red centre, and you qualify on age, mark this event in your diary! There is a one-off fee of \$70 for joining the event, and an extra \$70 entry fee for entering events, no matter how many events you compete in. Maybe you would like to try some of the other sports events as well!

For more information, consult the official web site here:

<https://alicespringsmastersgames.com.au/sports/model-aircraft-flying/>



See next page about a solar wing developed in Australia

2018 Glider/F5J Events Calendar

Produced by the AEFA to promote F5J & Gliding

No.10/13-3-18

Key - green for F5J events, HSL stands for Heathcote Soaring League

Date		Flying Events	Notes
25-Mar	F5J Added this year	Heathcote Cup - Open/ 2m/F5J	Maddens Plains
30 March - 1 April	Easter	NEFR at NAAS including F5J	AEFA Rally Canberra

April			
8-Apr	RCGA event	F5J VIC State Championships	Ballarat, Victoria
8-Apr	2m Electric Glider event	Millennium Cup Rnd 3	Lake George
22-Apr	Reschedule after blow-out	Millennium Cup Rnd 1	Appin
25-Apr	Practice Day	F5J West Wyalong	MAAA Nats
26/27-April		F5J West Wyalong	MAAA Nats

May			
6-May	RCGA event	Victorian F5J	VARMS tbc
6-May		HSL Club Comp Rnd 3 - F3J & F5J	Maddens Plains
20-May	2m Electric Glider event	Millennium Cup Rnd 4	Salt Ash
20-May	Southern Region Electric Glider 2018	Fun Electric Glider Event Round 2	Lake George
20-May	RCGA event	Open Thermal Glider	Diggers Rest
27-May	RCGA event	F3K Discus Launch Glider	Diggers Rest



Solar Wing for Drone

XTEK and Praxis Aeronautics are companies that have combined to develop an Australian Solar Wing for the SRP Lynx.

Praxis Aeronautics is a South Australian start-up company specialising in the development and manufacture of composite solar wings and has been chosen by XTEK to manufacture a Solar Wing for the Lynx to increase the current flight endurance of 3 hours to 9+ hours of daytime flight endurance.

Flight testing of the Solar Wing by XTEK commenced late February 2018 in Yass River, NSW. It is great to see Aussie companies on the front foot with development, and a 9 hour flight is something special. For a story on this development, click on this link to see an article on LinkedIn:

[Click here for solar wing article.](#)

2018 Calendar continued

June			
7-8 June	F5J Team Selection Trial	F5J LSF Tournament F5J Team Selection Trial	Jerildere
9-11 June	Queen's Birthday	LSF Tournament - DLG, F3J	Jerilderie
24-Jun	RCGA event	F3K Discus Launch Glider	Diggers Rest
21-27 June	Takikawa, Japan	F5B/F5D World Champs	Aussie team going

July			
7-8 July	New QLD event	F5J Susan River	Susan River near Hervey Bay - Contact Peter Pine
8-Jul	First Round	Picton Cup	Appin NSW
16-22 July	Dubnica, Trvana, Slovakia	3rd F5J World Challenge - Slovakian triangle 3 events	Aussie team to go!

August			
4-5 Aug		Monto F5J	Monto, QLD
26-Aug		HSL Club Comp Rnd 4 - F3J & F5J	Maddens Plains

September			
14-Sep	Practice Day	F5J Central Queensland	Bundaberg, QLD
15-16 Sep	2-day F5J event	F5J Central Queensland	Bundaberg, QLD
16-Sep		HSL F5J	Maddens Plains
22-23 Sep	2m Electric Glider event	Millennium Cup Rnd 5	Gloucester

October			
13-20 Oct	Masters Games	F5J Included	Alice Springs
21-Oct	2m Electric Glider event	Millennium Cup Rnd 6	Maddens Plains
28-Oct		HSL Club Comp Rnd 5 - F3J & F5J	Maddens Plains

Leaderboard Check

Yes, check out the full list of the AEFA 2017/18 F5J Leaderboard here:

<http://www.aefanet.com/images/stories/F5J/F5J-Leaderboard-2017-18A.pdf>

The 2017/18 F5J Leaderboard has now concluded. Klaus Metzger finished at the top of the leaderboard - congratulations Klaus.

The 2018/19 Leaderboard has commenced with an event from SA. Now the Hunter Valley Champs at Muswelbrook have been added, and the FXJ event at Milang as well.

Please note that the results displayed for Milang are the Aussie competitors only.

The FXJ event actually had 32 entrants and was won by Joe Wurts, but the international competitors were removed to provide a list of successful Aussie fliers and determine those who has qualified highest as the aspirants for the first World Championship team to go to Slovakia in 2019.

The three highest placed competitors who have nominated as aspirants are Andrew Meyer, Marcus Stent and Nick Chabrel.

The next two events to be added to the Leaderboard are expected to be the Heathcote Cup and the NEFR at Canberra.

2018 Calendar continued

November			
3-4 Nov	F5J Perpetual Trophy	F5J Annual Tournament F5J team selection trial	NAAS Canberra
11-Nov	2m Electric Glider event	Shoalhaven Shield - Millennium Cup Rnd 7	Bomaderry
18-Nov	Second Round	Picton Cup	Appin
25-Nov		HSL Club Comp Rnd 6 - F3J & F5J	Maddens Plains

December			
2-Dec	Now Southern Region 2018 Fun Electric Glider Event - Round 3	Ted Swan Cup - Round 3 of SRFEG	Goulburn

Three chances to fly F5J in Queensland in 2018

First there was Bundaberg, called the F5J Central Queensland Championship, for the last two years. Then Monto was added courtesy of Ross Ginder. Now an new event has been scheduled at Susan River (Hervey Bay).

So - you can fly F5J in Susan River on 7-8 July
Then you can fly F5J at Monto on 4-5 August
And finally F5J at Bundaberg on 14-16 September
Queensland F5J fliers have never had it so good!

And don't forget to schedule your trip to Canberra for the 3rd Australian F5J Trophy event on 3-4 November. This year the event will be part of the team selection trial program for the 1st F5J World Championships to be held in Slovakia in 2019. But don't let that deter you - only those who nominate themselves as aspirants will be competing for a place on the team. For the remainder of the field it is business as usual with two classes being flown - both Open and Limited F5J. You can fly Limited with your Radian! Radians came first and second in Limited last year!

F5J Team Selection Trials for 2019 World Championships

F5J Team Selection Trials summary -

You need to fly in three events out of:

Milang Open International 2018
Jerilderie LSF Tournament 2018
F5J Trophy Canberra 2018
Sailplane Expo 2019

But the LSF Tournament is mandatory - so, any three events but must include Jerilderie (which counts as double loading in the calculation of selection scores).

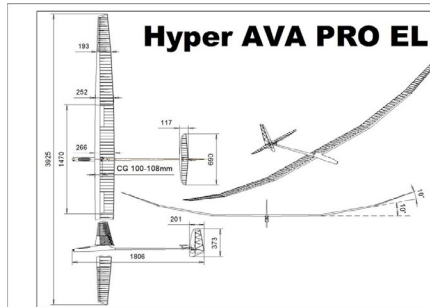
At the first selection trial event that you enter, you must pay \$50 nomination fee to the organisers to nominate that you are an aspirant for the World Champs team. This must be paid at registration, not during or after the event. The fee will go to the team selected to assist with expenses.

So, select your events, put them on your calendar, and start practising! We wish you well as you try out for this important event.

Please note the results from the first event at Milang on page 9.

The window of opportunity to win this AVA is closing rapidly.
 Buy your tickets now so you do not miss out!

Would you like to win an Ava Pro 4.0m Electric Glider?
Join in a fund raiser to send an Aussie team
to the F5J World Challenge in Slovakia 2018



Ava Pro- winner of F5J at the 2017 NEFR in the hands of Bob Wilson

F5J is booming! An Aussie team attended the 2017 World Challenge in Slovakia last year (with 132 competitors) and reported on their experiences and findings at the Australian F5J Trophy event in November.

The FAI has invited the Trnava club in Slovakia to prepare a proposal for the first F5J World Championships to be held in 2019. Australia needs to present an experienced team for this first World Championships!

In the meantime, the World Challenge, run by the Trnava club in August, continues in 2018. We need to send another Aussie team to gain more experience and build the Aussie F5J profile.

The AEFA has commenced another fund to assist the best F5J fliers (on the Australian Leaderboard) to attend the Slovakian events in August 2018. Last year the AEFA ran a Stork raffle to support the 2017 team.

Here is a new offer! You can take part in a raffle now that has as its prizes:



- 1st - Ava Pro F5J kit valued at \$1,500 (above)
- 2nd - Aero-naut Triple Thermic 2.5m F5J kit valued at \$289
- 3rd - Geared F5J motor valued at \$139

Tickets are \$10 each, three for \$20, or five for \$30. The raffle will be drawn at the presentation at the NEFR at Canberra, Easter 2018. Proceeds from this raffle will go to the new team for Slovakia 2018!

Buy tickets online or send a message for paper tickets to ppine@northnet.com.au. A page has been set up on the AEFA web site. You can simply click on a PayPal link and buy the tickets you want. Here is the page you need to go to - this is a live link:

<http://aefanet.com/world-champ-fund-raiser>

Ava kit supplied by Dave's Toys for Big Boys - the AEFA would like to acknowledge Dave's support for this fund raiser. You can see Dave's Toys range at www.hyperionaustralia.com.au
 F5J kit and motor supplied by www.flyelectric.com - Please support those that support the AEFA.

DAVE'S TOYS
FOR BIG BOYS PTY LTD

Quality R/C Products

Phone +61 3 9887 055

Major Sponsor of the Australian F5J Trophy

Supplying quality R/C Products:

- Hyperion batteries, servos, chargers and accessories
- Jeti Radios
- Dymond servos
- Vladimir models
- Jaro Muller models
- MKS servos
- KTS servos
- Nan models

www.hyperionaustralia.com.au

E-mail: sales@hyperionaustralia.com.au

Phone: (03) 9887 0558 Mobile: (0415) 412 096

modelflight RC

Major Sponsor of the Australian F5J Trophy

Your one-stop hobby supplier - specialising in:

- Spektrum & JR Radios
- ParkZone
- Hobbyzone
- Hangar 9
- E-Flite
- SebArt
- Thunder Power RC
- Blade helis

www.modelflight.com.au

130 Goodwood Road, Goodwood SA 5034

Phone: (08) 8186 4250

Electric Glider & EOT Postal Competitions each month

There are electric glider and EOT postal events each month. Trevor Smith is managing glider results in 2017. Mike Colston manages the EOT tasks (see e-mails below). You can practice these events at your own field in your own time, and e-mail the results to Trevor & Mike. Each month they tabulate the results and send them back to you. It is a great way to practice flying these events; you go out flying with a purpose instead of just hacking around the sky! You can even time yourself, and you can repeat the tasks as many times as you want and send in a good score when you get one. The rules can be found on the AEFA web site (active link below) - look them up and join in the fun!

Electric & Glider FLIGHT Australia magazine - produced under the auspices of the Australian Electric Flight Association - contacts:

President	Trevor Smith NSW	tdsmith82601@bigpond.com
Treasurer/ website	David Lucas NSW	rivercat@mac.com
Secretary	Ralph Dephoff NSW	randmdephoff@gmail.com
Executive member	Mal Pring SA	malcolmpring@bigpond.com
Executive member	Bob Hickman VIC	mbohickman9@gmail.com
Executive member	Terry Scolari QLD	tscolari@bigpond.com
Magazine editor & Events Coordinator	Peter Pine NSW	ppine@northnet.com.au
Coordinator Gliding Focus Group	Trevor Smith NSW	tdsmith82601@bigpond.com
Coordinator EOT Focus Group	Mike Colston NSW	mncolston@hotmail.com

(links and e-mails are interactive in this document - to send an e-mail from this page, click on the e-mail address)

Web site - www.aefanet.com