

FREE FLIGHT news

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FFn DIARY

September 11 Area Venues	BMFA 7th Area. Classic Glider (Plugge), C/R Team (Farrow's/Plugge), F1C (Buskell), C/E, Classic R/P (Plugge), HLG-CLG. Contact: Area Comp Secs.	September 24-25 Andover, United Kingdom	Sept 24th: Stonehenge Cup, Sept 25th: Equinox Cup. F1A F1B F1C F1Q. World Cup event. Contact: Peter Martin, and Richard Jack tel +44 776 2346700 email: ffworldcupUK@gmail.com
September 14-15 Krapivye, Russia	Zubr Cup of Belarus. F1A F1B F1C. World Cup event. Contact: Aleksandr Vjazov, tel: +7 985 764 1076, email: al.vjazov@mail.ru	September 25 Lucenec-Bolkovice, Slovakia	Jumbo Cup. F1A F1B F1C F1H. World Cup event. Contact: Dana Domokova, tel: +421 905 145 107 gabika1988@hotmail.com dana.domokova@lucenec.sk
September 17-18 Krapivye, Russia	Commonwealth Cup of Belarus. F1A F1B F1C. World Cup event. Contact: Aleksandr Vjazov, see September 14-15 entry	October 1 Prilep, Former Yugoslav Rep. of Macedonia	Macedonia Cup. F1A F1B F1C F1P F1Q. World Cup event. Contact: Zdravko Todoroski, tel: +389 72 247 606, email: zdravkot@t.mk web: www.prilepcup.info
September 17 Tourtenay, France	12th Poitou Charentes. F1E. World Cup event. Contact: André Trachez, tel: +33 6 08 573 550, email: andre.trachez@laposte.net	October 1-2 Peak District, or, Near Melton Mowbray	Sat Oct 1: BMFA 5th F1E Team Selection, Sun Oct 2 BMFA 6th F1E Team Selection. Contact: Ian Kaynes 01252 512538 m: 0794 185 2144
September 18 St Jean de Sauves, France	Poitou Moncontour. F1E. World Cup event. Contact: Benoît Jacquemin, t:+3360800 2780 benoit.jacquemin@vol-libre-moncontourois.fr	October 1-2 Lost Hills, California, USA	Kotuku Cup of New Zealand. F1A F1B F1C F1P F1Q. World Cup event. Contact: Brian van Nest, tel: +1 760 937 0177, email: bisheatfla@aol.com
September 23-26 Samara, Russia	Almaty Cup. F1A F1B F1C F1P F1H F1Q. World Cup event. Contact: Dzhamel Bekeyev, tel: +7 927 702 20 71, email: old@mail.ru web: www.aviasamara.ru/	October 2 Salisbury Plain	Coupe Europa. See FFn 1603. F1G, Vint CdH Start 10.00, F1G in rounds. Contact: Ray Elliott, tel 0208 997 7745, ray.elliott8@btinternet.com
September 23-24 Levski, Bulgaria	Sofia Cup. F1A F1B F1C F1H. World Cup event. Contact: Borislav Bardarov, tel: +359 888 703 306 f1a@abv.bg www.f1abc.com	October 2 Vsechov, Czech Rep.	Jihocesky Pohar. F1A F1B F1C. World Cup event. Contact: Jan Cihak, , tel: +420 604 678 740, email: jan.cihak@seznam.cz web: http://mksu.cesko.net/sp.php
September 24-25 Levski, Bulgaria	Bulgaria Cup. F1A F1B F1C F1H F1P. World Cup event. Contact: Valentin Savov, tel: +359 888 408940, email: valio@dir.bg web: www.f1abc.com	October 2-4 Lost Hills, California, USA	Sierra Cup. F1A F1B F1C. World Cup event. Contact: Mike Mc Keever, tel: +1 916 967 8475, email: vamckeever@aol.com
September 24 Zabokrekty nad Nitrou, Slovakia	Hogo Cup. F1A F1B F1C. World Cup. Contact: Ivan Bezak, t:+421 907 480 222 ivanbezak@hotmail.com www.hogocup.sk		
September 24 Salonta, Romania	Arva János Memorial Contect. F1A F1B F1C F1Q. Contact: Guti József, tel: +36 20 363 55 73, email: gutijozsef74@gmail.com web: http://dobosistvanmk.lapunk.hu		

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NFFS SYMPOSIUM REPORT

The Symposium Report is now available, including from FFn. This year it has been produced by a group of editors from USA – Louis Joyner, Dave Lacey (passed away in May), David Mills, and Chris Stoddart – and from Australia Sergio Montes and Paul Rossiter. The group have provided a much better range and quality of articles than the ones in the disappointing 2015 Report.

The first article is “Photographing our Hobby” by Bob Clemens. He gives lots of helpful suggestions for producing good quality photos of models, people with models, and people launching models. Notably the article is illustrated by lots of examples printed in good quality colour, and concludes with a great picture of Eugene Verbitsky.

Roland Friestad has written “Magazine Digitizing and Archiving” to describe his work in scanning old plans and magazines.

There then follows two interviews. Bill Booth talked to Alex Andriukov about his timer development, the altimeter function and the use of that in model trimming. Louis Joyner reports on Artyem Babenko, getting a history of Artem and his F1C developments, and finishing with Roy Summersby’s description of the range of folding wing designs.

“Computations at Reynolds Numbers Appropriate to Coupe d’Hiver (F1G) models” by Alan Brocklehurst describes his CFD and XFOIL studies for further refinements to the aerofoils of Coupe wing and tails.

Claudio Bognolo studies LDA aerofoils in “LDA-R (ReAex) Airfoils”. He also presents detailed descriptions of the flow properties of the boundary layer, the laminar separation bubble, and the incorporation of turbulators in XFOIL. It concludes with a revised section, but without publishing the coordinates.

“Small Mulvihill, Some Thoughts And Some Simulations in This Popular New Rubber Class” by Peter King is concerned with performance predictions for this American class (maximum wing area 200 sq in, 20g rudder, no gadgets except DT). In the first phase he compares the key parameters of a number of existing models, then moves to parametric variations to find the optimum design. Incidentally it appears that “height” in the article means the altitude at prop fold and not the maximum altitude. Thus the table entry showing a height of 4ft and duration of 306 sec could be consistent with Peter’s description of *struggling to reach 60ft*.

George Seyfang’s “OHS Configuration of Free Flight Models” advocates a theoretical efficiency improvement by using Outboard Horizontal Stabilisers mounted on booms behind the wing tip. No discussion of the degradation of lateral stability with the masses of booms and tails on each wing tip.

“Two New LDA Series for F1A Flappers” by Slobodan Midic describes the characteristics of two pairs of aerofoils developed for use with flaps. This article does include the coordinates.

Don Srull in “Performance of Rubber Powered Scale Models, Why Their Performance is Less Than Competition Free Flight Models” assesses exactly what is described by the title. The main reason, not surprisingly, is found to be aerodynamic efficiency $CL^{1.5}/CD$.

In the first of his two articles, Paul Rossiter discusses “Rubber Testing: Myths and Realities”. He concludes that the main factor is getting a good batch of rubber (!) and that any benefits from washing, lubricant type, breaking-in, etc are too small to measure reliably.

Paul’s second article is “Thermals and picking lift”. He describes thermal structure and how behaviour changes through the day, and looks at the effect of air temperature on performance. Thermal detection methods are considered,

leading to a detailed account of Paul’s recording device with wind strength, temperature and temperature upwind and its use at the 2015 World Champs in Mongolia.

“Objective Time-Keeping” by Allard van Wallene advocates using altimeters as an aid to resolve disputes in flyoffs, and answers some common doubts expressed about the idea.

Aram Schlosberg’s “F1Q Commentary” describes the fundamentals of electric models and the applications to F1Q. He considers the different approaches and makes some analysis of performance (and Aram, as usual, persists in mis-spelling my name and also records that my models are based on F1E, which they are not except for colour scheme and wing structural design).

Heinrich Eder describes “Pistachio Scale Models Powered by Supercaps”. Supercaps are capacitors and the models are claimed to be easier to fly than rubber scale models.

“Computerized Rubber Testing” is Carroll Allen’s account of his rubber stretch testing equipment, which has been enhanced to use a load cell and AD converter to record the values.

The joint article by Michel Picol and Paul Rossiter “Calibrating Rubber Winders” Michel describes calibrating the torque measurement of winders by fitting an arm and hanging weights from it. Paul’s addition is to show variations between different examples of the Andriukov and Blazhevych winders.

In the history section, Louis Joyner’s “F1C a technological History” is an account of the history of F1C from the first Champs in 1952. There are small 3-views of models through to the about 2001. He then complains about going to 4 sec run.

“Vintage FAI - 60 Years In The Making” by Bob Stalick and Mike Schwartz. Starts with an account of interest in FAI Power starting from reading about the Cranfield flyoff, then progresses into establishing a vintage FAI power event, and there are also some more 3-views.

Martin Newell “Evolution of Free Flight, and a Peek into the Future” develops a concept of having a radio receiver in the model to programme the timer.

The final article is Chris Murphy’s “F1C Engines, a Historical Overview” describes engine development since the fifties, with plenty of photos. It concludes with a suggestion to reduce engine size to 1.5cc.

The 2016 Models of the Year:

Zultoan Sukosd	06-F1D-55
Mikhail Kozonoskin & Eyal Gayor	Long Wing LDA 2013
Gorsky, Evdokimov, Limberger	Favionics FX-12 timer system
Monique Lyons	Avro Shackleton MR3 (rubber scale)

2016 Hall of Fame: John Clapp, Matt Gewain, Mike McKeever

Concluding item is the Presidential Message from John Lorbiecki, recognising the 50th anniversary of NFFS. The society started with a group of enthusiasts in 1965 and a year later were organised with 350 members. John also thanks Bob Stalick who has stepped down from his last two roles in NFFS having held many other posts during those 50 years.

NFFS have increased the cost of the Symposium Report this year and the pound is now worth fewer dollars, so the price from FFn has had to increase. Since there is a full 230 pages, the postage is also more expensive. The prices including postage are £34.80 in the UK, £39.60 to other European countries, and £44.00 outside Europe. Order online at www.freeflightnews.org.uk/ffnbuy.htm or send cheques to Free Flight News, 7 Ashley Road, Farnborough, Hants GU14 7EZ.

You are very welcome to renew your subscription to FFn at the same time. The current rates are:

for paper copies: UK £21 , Europe £25 , outside Europe £30
for email copies £10 for 1 year, £18 for 2 years.

FAI JUNIOR WORLD CHAMPIONSHIP

Held at Prilep, Republic of Macedonia from August 1 to 7

The Junior World Championships were held at Prilep in Macedonia. GB participation was the same as the European Championships last year, that is Joe Gibbs flying F1A, father Mark assisting, and myself - Alan Jack as team manager.

The field is flat terrain and has nice short grass on what is a single runway grass field airfield used for sport flying. The first round of the Champs was scheduled for 8 till 9 and on our first day there was big gentle lift by 8.45. The new 5 round format makes for more spread out rounds with 15min between and a full hour for each round.

The World Cup event had hot weather. The thermals started in the first round, near calm building to monsters with big infills but little real drift. One thermal would go one way, another a different direction altogether. Round 3 onwards had thermals with horribly sharp edges, one wrong turn and it was the express elevator down and vice versa. I will not report on the results except to note that B had a junior take the win with another junior third. The flyoffs were to 6 mins and then 8 and there was lift even in the last flyoff.

P had only a single flyer but what talent from one so young. It was no surprise that he maxed out. This was Ilya Trapeznikov from Russia, pictured below. He is only 11, and he appears not much larger than the model but the model is super fast, he starts, launches and then retrieves it all on his own.



Ilya Trapeznikov

Practice day had the wind build up in the evening. Then it was the day for model processing and the opening ceremony in the town centre.

F1A day started badly as many poles did not have a timekeeper at the appointed time and the Brit pole had no score card. Jury member Per Findahl was instrumental in getting the show on the road and afterwards acted more or less as CD.

Joe made a nice 4 minute max in the first round, but then in round 2 he picked the lift a bit late and his model couldn't quite catch the thermal up, down for 2:19. The wind was now over 10mph with big thermals. Another drop came in round 3 after a switch of models but it just did not go in the air at all whilst other models around it all maxed. A better end though, after a switch back to the model used in the first two rounds, as two maxes followed in the last two rounds. All of Joe's launches were on the money but I guess that up and off is always going

to be risky when the thermals are as small as they were in Prilep and especially so when accompanied by a fair breeze.

Next day the F1B Rounds were flown in near calm – in fact back to the practice days after the breeze of A day. The thermals got stronger and smaller and the inevitable result is that some got spat out.

The story came this time from the US flyers. Coming to the last round they had Sevak Malkhasyan and Jace Pivonka clean and Troy Davis had dropped a few seconds. As a team they were comfortably leading. Their flying had been exemplary. The last round usually has a big standoff as those with full houses suddenly become cautious as the goal gets within sight. This lasted 25 mins or so before lift was marked and the mass launch began. Sevak gave an excellent launch and his model was screaming up in the thermal. Flyers of Wakefield will recognise this as dangerous though as sometimes the extreme steepness of the climb leads to a prop stall. This befell Sevak when he was already at at least 3 towline heights but his model recovered and continued to climb rapidly in lift. The recovery had (as usual for a B which needs some form of anti-spin) taken the model left. The prop stopped with the model very high and gliding in lift. If only we had the benefit of foresight a DT at this point (if RDT was available) still in lift would have resulted in an easy max. However we don't have foresight and the model, which was now evidently on the edge of this powerful but small column of lift, flew out of the lift and the horrible descent began resulting in a so painful drop of 7 seconds.

Jace was next. Another long wait then a mass launch into big lift. Massively high but why is it gliding left? The prop had not folded properly and a blade is stuck on one wing. That means a large rudder effect and drag. Again a DT at this point whilst the model was in lift and so high even at only a minute thirty would have given a max but again if only we could see the future. Instead it glided straight out of the lift and down it came for only 2.37. two flights and two hopes dashed. That's toy flying; if it was easy we would not do it and sometimes fortune deserts!

Troy capably made a max in what little of the round was left and a review of the scores showed to my eye at least that the US was in second team spot but to rub more salt in the wound they were only second to Russia by a scant 3 seconds – very harsh!

After four flyers made the 8-min max in the second flyoff, it was settled at 6 am on the morning of the F1P day. Light drift with models flying gently towards the rising sun and what seemed like no assistance from the air.

F1P encountered the oddity of the rules, in that F1P was left out in the change to five flights and in the book remains on 7 flights. The decision was to suggest it be flown to 5 flights, but only adopt that change if all team managers agreed. The Russian team voted against and so it was flown in seven rounds.

Summary

In the truest sense these championships were very well executed in that the field and its surroundings, the weather, the timekeepers and the necessary decisions that needed to be made along the way were all good. It was a fair and at times very challenging sporting contest.

On the field at least we all knew what was going on (at least after the chaotic start of the very first round of the contest) and the scores were rapidly posted on the hard copy scoreboard and as far as I know these hard copy scores were correct. The most important, perhaps the only, people that matter are the participants and in that respect as far as I am aware all was well.

There were however some glaring deficiencies. The contest organisers certainly owe deep gratitude to two of the Jury and in particular to one of them, Per Findahl for his excellent communication. He stepped into the breach when it had all gone pear shaped in that first round and thereafter he was operating close to being the CD and he certainly was announcer par excellence and principal contest time manager. Thank you so much Per!

Another issue of some seriousness was that throughout the contest I only observed two of the Jury. I think this needs investigation.

I hear that the online scores were inaccurate. In the final analysis it is vital that the correct scores are entered in the record. Even the last placers are keenly interested in having the correct scores recorded (Ed: issues continued with some problems in the issued results, the version presented here includes the full resolution of the known problems).

Meanwhile those living vicariously at a distance may well have reason to criticise but I appeal to them to use appropriate and

measured language. It is one of the saddest features of our connected world that people feel the right to wade in with impunity. In most cases the harshest words come from those who have never taken on the task they strike at.

The contest was conducted in great spirit by the Juniors and I am sure they will all remember it positively and it will constitute a formative experience of great value to them as they move into adulthood. The sight of such a varied group of kids of vastly different ages and physical size and with many female participants enjoying flying aeroplanes and bearing the ups and downs of competition in such fine spirit has been very uplifting.

My deepest regret is that more kids particularly from the western world are not able to find this great hobby/pastime/sport nay obsession of ours. It retains all of the value that my generation found in the 1960's. We owe it to them to redouble our efforts to give the next generation the chance to enjoy it as much as I (and I am sure my one or two readers) have.

F1A Individual results

1	Mickail Lomov	RUS	960	+360	+246				
2	Samuel Zachara	SVK	960	+360	+157				
3	Joel Yori	USA	960	+280					
4	Martin Liiva	EST	960	+268					
5	Kristina Ivanova	BUL	960	+263					
6	Nils Finke	GER	960	+238					
7	Roksana Gadek	POL	960	+236					
8	Capucin Rago	FRA	960	+198					
9	Kalle Korpela	FIN	960	+173					
10	Iwona Olewnik	POL	960	+166					
11	Dmytro Merzilakov	UKR	960	+150					
12	Nick Finke	GER	960	+140					
13	Vitek Rossler	CZE	960	+36					
14	Luca Aringer	AUT	240	180	180	168	180	948	
15	Alex Stalick	USA	240	180	167	180	180	947	
16	Tommi Tahka	FIN	240	180	163	180	180	943	
17	Morar Daniel	HUN	215	180	180	180	180	935	
18	Youval Bichet	ISR	240	180	180	180	137	917	
19	Pavol Elias Galdun	SVK	240	172	180	180	137	909	
20	Aleksey Khoroshev	RUS	240	180	180	123	180	903	
21	Viacheslav Kornushenko	RUS	175	180	180	180	180	895	
22	Matic Pirih	SLO	240	180	180	180	108	888	
23	Mathis Mongai	FRA	240	180	180	104	180	884	
24	Tamara Kiss	ROU	160	180	180	180	180	880	
25	Matous Kulich	CZE	240	180	180	96	180	876	
26	Blazej Stachowski	POL	240	165	180	180	110	875	
27	Adrian Seifert	GER	240	180	180	180	85	865	
28	Gert Nulk	EST	143	180	180	180	180	863	
29	Jambor Bertold	HUN	240	180	81	180	180	861	
30	Gil Yair	ISR	135	180	180	180	180	855	
31	Joseph Gibbs	GBR	240	139	113	180	180	852	
32	Petra Meglaj	CRO	240	117	134	180	180	851	
33	Eero Henriksson	FIN	240	180	70	180	180	850	
34	Lipcsei Sandor	HUN	240	180	68	180	180	848	
35	Karl Mannik	EST	240	180	53	180	180	833	
36	Anatolii Smyrnov	UKR	111	180	180	180	180	831	
37	Anton Pugach	UKR	240	180	180	180	44	824	
38	Tomer Rouzin	ISR	240	180	180	102	99	801	
39	Cade Fedor	USA	240	105	180	95	180	800	
40	Anej Murkovic	SLO	184	99	139	180	180	782	
41	Tomas Tauer	CZE	51	180	180	180	180	771	
42	Vanya M. Mandicheva	BUL	92	138	180	180	180	770	
43	Suyeon Yeong	KOR	240	180	78	180	74	752	
44	Martin Bencik	SLO	136	74	142	180	180	712	
45	Gildas Aubineau	FRA	240	149	180	26	78	673	
46	Hristina Savova	BUL	0	74	91	180	180	525	
47	Michal Jezik	SVK	240	180	61	25	0	506	
Number of maximum in each round			36	37	34	39	37		
Number of full scores up to each round			36	30	22	17	13		

F1A team results

1	Poland	POL	2795
2	Germany	GER	2785
3	Russia	RUS	2758
4	Finland	FIN	2753
5	USA	USA	2707
6	Estonia	EST	2656
7	Hungary	HUN	2644
8	Ukraine	UKR	2615
9	Czech Republic	CZE	2607
10	Israel	ISR	2573
11	France	FRA	2517
12	Slovenia	SLO	2382
13	Slovakia	SVK	2375
14	Bulgaria	BUL	2255
15	Austria	AUT	948
16	Romania	ROU	880
17	United Kingdom	GBR	852
18	Croatia	CRO	851
19	Korea	KOR	752

F1B Individual results

1	Dmytro Merzilakov	UKR	960	+360	+480	+348			
2	Bojan Gostojic	SRB	960	+360	+480	+325			
3	David Lipski	POL	960	+360	+480	+315			
4	Ondrej Dvorak	CZE	960	+360	+480	+264			
5	Omri Sela	ISR	960	+360	+305				
6	Pavel Lomov	RUS	960	+360	+259				
7	Daria Molchanova	UKR	960	+320					
8	Jace Pivonka	USA	240	180	180	180	173	953	
9	Sebastian Jackel	GER	240	168	180	180	180	948	
9	Bar Bechor	ISR	240	168	180	180	180	948	
11	Kristina Ivanova	BUL	240	180	180	160	180	940	
12	Sevak Malkhasyan	USA	240	180	180	180	157	937	
13	Vladislav Dreijers	LAT	240	180	150	180	180	930	
14	Mickail Lomov	RUS	240	148	180	180	180	928	
15	Uros Zoric	SRB	240	180	180	180	147	927	
16	Juliette Tisserond	FRA	206	180	180	170	180	916	
17	Kacper Lukaszewicz	POL	222	180	148	180	180	910	
18	Zofia Zdanchewicz	POL	240	180	123	180	180	903	
18	Vladislav Kuznetsov	RUS	240	180	123	180	180	903	
20	Troy Davis	USA	240	166	132	180	180	898	
21	Aleks Moistus	EST	240	110	180	180	180	890	
22	Tabea Wisiolek	GER	240	101	180	180	180	881	
23	Jekaterina Demcenko	LAT	240	162	125	149	180	856	
24	Maris Zelonka	LAT	240	117	180	138	180	855	
25	Karl Kreis	EST	240	140	114	180	180	854	
26	Martin Fishera	CZE	240	180	92	180	105	797	
27	Anton Pugach	UKR	165	180	180	97	148	770	
28	Karl Mannik	EST	125	100	180	176	180	761	
29	Katerina Fisherova	CZE	108	180	90	180	180	738	
30	Ana Wiesiolek	GER	116	180	66	180	180	722	
31	Clement David	FRA	118	170	136	180	43	647	
32	Aleksandar Cvetanovski	MKD	70	66	52	110	60	358	
Number of maximum in each round			24	20	20	25	25		
Number of full scores up to each round			24	15	11	10	7		

F1B team results

1	Russia	RUS	2791
2	USA	USA	2788
3	Poland	POL	2773
4	Ukraine	UKR	2690
5	Latvia	LAT	2641
6	Germany	GER	2551
7	Estonia	EST	2505
8	Czech Republic	CZE	2495
9	Israel	ISR	1908
10	Serbia	SRB	1887
11	France	FRA	1563
12	Bulgaria	BUL	940
13	Macedonia	MKD	358

F1P team results

1	Russia	RUS	3615
2	USA	USA	3462
3	Ukraine	UKR	3381
4	Poland	POL	3110
5	Estonia	EST	1751

F1P Individual results

1	Daniel Bogomaz	POL	180	173	180	180	180	180	1253
2	Artur Moisiadi	UKR	169	180	180	180	180	180	1249
3	Alex Stalick	USA	180	180	169	180	174	180	1243
4	Maksim Poliakov	RUS	180	180	151	180	180	180	1231
5	Michal Ferlak	POL	174	124	180	180	180	180	1198
6	Ilya Trapeznikov	RUS	180	180	180	180	145	151	1196
7	Vladislav Lipov	RUS	180	180	180	180	108	180	1188
8	Anatolii Smyrnov	UKR	180	177	180	180	97	180	1174
9	Sevak Malkhasyan	USA	180	180	180	180	180	63	1143
10	Cade Fedor	USA	180	134	180	42	180	180	1076
11	Dmytro Merzilakov	UKR	162	180	113	177	104	42	958
12	Gert Nulk	EST	180	180	123	71	180	69	913
13	Hannes Hollo	EST	100	122	86	156	58	180	828
14	Mishal Krezel	POL	13	45	180	56	180	140	659
15	Aleks Moistus	EST	10	0	0	0	0	0	10
Number of maximum in each round			9	8	9	9	8	10	10
Number of full scores up to each round			9	6	3	3	1	1	0

F1 Challenge

Order determined by total score in all three events

Country	Total	F1A	F1B	F1P					
1	Russia	9164	2758	2791	3615	12	Hungary	2644	2644
2	USA	8957	2707	2788	3462	13	Latvia	2641	2641
3	Ukraine	8686	2615	2690	3381	14	Slovenia	2382	2382
4	Poland	8678	2795	2773	3110	15	Slovakia	2375	2375
5	Estonia	6912	2656	2505	1751	16	Serbia	1887	1887
6	Germany	5336	2785	2551		17	Austria	948	948
7	Czech Republic	5102	2607	2495		18	Romania	880	880
8	Israel	4481	2573	1908		19	United Kingdom	852	852
9	France	4080	2517	1563		20	Croatia	851	851
10	Bulgaria	3195	2255	940		21	Korea	752	752
11	Finland	2753	2753			22	Macedonia	358	358

FAI EUROPEAN CHAMPIONSHIP F1ABC

Held at Aradac, Serbia from August 13 to 20

Reported as being hot for most of the time. Most notable was that a split flyoff was used for the first F1A flyoff. 7 Maxed in the first group and 2 in the second group. Under the balancing rule the next 5 also went forward from the second group, so that there were 7 from each group flying together in the second and deciding flyoff. Richard Jack was the only British flyer in

the flyoff, but his 237 in the second group was more than a minute below the times that went on from that group.

A group flyoff for F1B had Peter Brown go forward to the second round, but only made 328 in the second flyoff. Three did that rounds 8 minute max and flew off to 10 minute max at 6am in the morning.

F1A Individual results

1	Roland Koglot	SLO	1020	+360	+472				
2	Mati Moskovich	ISR	1020	+360	+391				
3	Ittai Shichman	ISR	1020	+319	+386				
4	Per Findahl	SWE	1020	+360	+383				
5	Enes Pecenkovic	BIH	1020	+360	+367				
6	Ivan Bezak	SVK	1020	+360	+355				
7	Christian Andrist	SUI	1020	+329	+350				
8	Luka Biteznik	SLO	1020	+360	+328				
9	Szilard Szijarto	ROU	1020	+346	+320				
10	Vittorio Brussolo	ITA	1020	+319	+315				
11	Robert Hellgren	SWE	1020	+360	+262				
12	Tsvetan Bonchev	BUL	1020	+360	+238				
13	Dirk Halbmeier	GER	1020	+360	+193				
14	Jes Nyhegn	DEN	1020	+337	+25				
15	Janis Zarins	LAT	1020	+358					
16	David Gabor Krasznai	HUN	1020	+356					
17	Steffen Jensen	DEN	1020	+346					
18	Emmanuel Ragot	FRA	1020	+343					
19	Yaron Kraus	ISR	1020	+336					
20	Slavko Savic	SRB	1020	+321					
21	Denys Yaremenko	UKR	1020	+305					
21	Jan Vosejka	CZE	1020	+305					
23	Bernard Trachez	FRA	1020	+300					
24	Andres Persson	SWE	1020	+298					
25	Julien Sion	ROU	1020	+294					
26	Robert Lesko	E/C	1020	+290					
27	Aleksey Ryazansev	RUS	1020	+289					
28	Mikhail Kosonozhkin	RUS	1020	+286					
29	Laszlo VERNYIK	HUN	1020	+277					
30	Daniel Cintrescu	ROU	1020	+276					
31	Oleh Pshenychnyy	UKR	1020	+270					
32	Mehmet Saim Gurer	TUR	1020	+264					
32	Massimiliano Gobbo	ITA	1020	+264					
34	Antoon Van Eldik	NED	1020	+263					
35	Robert Bjelajac	BIH	1020	+261					
36	Richard Jack	GBR	1020	+237					
37	Boris Bernard	FRA	1020	+235					
38	Radoje Blagojevic	SRB	1020	+230					
39	Viesturs Berzins	LAT	1020	+221					
40	Paulius Budovas	LTU	1020	+182					
41	Kamil Halicki	POL	1020	+108					
42	Michel Bleuer	SUI	1020	+94					
43	Anrijs Plume	LAT	230	180	180	180	240	1010	
44	Vaclav Papez	CZE	226	180	180	180	240	1006	
45	Paolo Ghiselli	ITA	240	163	180	180	240	1003	
46	Matija Hrast	SLO	240	180	180	180	220	1000	
47	Janar Sell	EST	240	180	180	156	240	996	
48	Miroslav Pitlanic	SVK	240	180	180	155	240	995	
49	Frank Adametz	GER	232	180	161	180	240	993	
50	Phil Ball	GBR	240	180	180	180	205	985	
51	Henryk Krupa	POL	240	180	180	180	204	984	
52	Omer Gurer	TUR	240	180	180	180	203	983	
53	Joszev Krasznai	HUN	240	180	141	180	240	981	
54	Dusan Fric	CZE	199	180	180	180	240	979	
55	Helmunt Fuss	AUT	196	180	180	180	240	976	
56	Luka Aringer	AUT	190	180	180	180	240	970	
57	Ismail Keskin	TUR	240	116	180	180	240	956	
58	Mica Tica	SRB	240	180	180	108	240	948	
59	Jakub Jaraczewski	POL	240	180	180	180	162	942	
59	Ular Vihul	EST	230	180	180	180	172	942	
61	Anton Gorsky	RUS	231	180	180	137	208	936	
62	Atle Klunghaug	NOR	232	90	180	180	240	922	
63	John Williams	GBR	240	180	180	180	136	916	

F1A team results

				places
1	Israel	ISR	3060	2,3,19
2	Sweden	SWE	3060	4,11,24
3	Romania	ROU	3060	9,25,30
4	France	FRA	3060	18,23,37
5	Latvia	LAT	3050	
6	Italy	ITA	3043	
7	Slovenia	SLO	3040	
8	Hungary	HUN	3021	
9	Czech Republic	CZE	3005	
10	Serbia	SRB	2988	
11	Russia	RUS	2976	
12	Turkey	TUR	2959	
13	Denmark	DEN	2953	
14	Poland	POL	2946	
15	Germany	GER	2922	
16	United Kingdom	GBR	2921	
17	Bosnia-Herzegovina	BIH	2895	
18	Estonia	EST	2841	
19	Slovakia	SVK	2838	
20	Ukraine	UKR	2831	
21	Switzerland	SUI	2793	
22	Austria	AUT	2677	
23	Lithuania	LTU	2641	
24	Bulgaria	BUL	2584	
25	Finland	FIN	2230	
26	Netherlands	NED	2072	
27	Norway	NOR	1380	

64	Karsten Kongstad	DEN	161	180	180	180	212	913
65	Bernd Hoenig	GER	196	180	113	180	240	909
66	Tambet Lepp	EST	123	180	180	180	240	903
67	Vesa Varuskivi	FIN	119	180	180	180	240	899
68	Borislav Bardarov	BUL	240	180	180	96	195	891
69	Modestas Snukiskis	LTU	240	180	180	180	101	881
70	Jasminka Pecenkovic	BIH	240	180	180	180	75	855
71	Ivan Treger	SVK	187	180	36	180	240	823
72	Vasyl Bezchasnyy	UKR	240	180	180	17	174	791
73	Heinz Bleuer	SUI	153	180	180	0	240	753
74	Justinas Bartkevicius	LTU	240	0	80	180	240	740
75	Gerhard Aringer	AUT	240	180	0	71	240	731
76	Win Bellen	NED	240	180	180	118	0	718
77	Kimmo Valkonen	FIN	167	180	29	180	132	688
78	Miroslav Mandichev	BUL	240	72	180	180	1	673
79	Matti Loihtamo	FIN	240	180	180	43	0	643
80	Vegar Nereng	NOR	98	180	180	0	0	458
81	Kees Van De Ven	NED	240	94	0	0	0	334
Number of maximum in each round			64	75	73	69	62	
Number of full scores up to each round			64	59	57	50	42	

F1B Individual results

1	Aleksey Burdov	RUS	1020	+360	+480	+395
2	Stanislaw Skibicki	POL	1020	+360	+480	+372
3	Gilad Mark	ISR	1020	+360	+480	+346
4	Oleg Kulakovsky	UKR	1020	+360	+463	
5	Tuvia Fibish	ISR	1020	+360	+460	
5	Adam Krawiec	POL	1020	+360	+460	
7	Anatoly Rybchenkov	RUS	1020	+360	+459	
7	Mihaly Varadi	HUN	1020	+350	+459	
9	Mickael Rigault	FRA	1020	+360	+440	
10	Bojan Gostojic	SRB	1020	+315	+429	
10	Andreas Gey	GER	1020	+360	+429	
12	George Batiuk	GER	1020	+360	+428	
13	Tomaz Hribar	SLO	1020	+292	+424	
14	Dag Edvard Larsen	NOR	1020	+360	+413	
15	Albert Bulatov	RUS	1020	+360	+410	
16	Svetozar Gostojic	SRB	1020	+360	+407	
17	Gerard Willemsen	NED	1020	+360	+394	
18	Matti Lihtamo	FIN	1020	+360	+377	
19	Rolandas Mackus	LTU	1020	+360	+370	
19	Vegar Nereng	NOR	1020	+360	+370	
21	Pavol Polonec	SVK	1020	+280	+367	
22	Igor Vivcar	UKR	1020	+360	+365	
23	Shmuel Kuflik	ISR	1020	+360	+355	
24	Milan Novy	CZE	1020	+295	+352	
24	Istvan Kocsis	HUN	1020	+360	+352	
26	Tomasz Lipski	POL	1020	+306	+337	
27	Tonu Luman	EST	1020	+360	+330	
28	Siebenmann Dieter	SUI	1020	+284	+329	
29	Peter Brown	GBR	1020	+353	+328	
30	Valentin Savov	BUL	1020	+270	+315	
31	Janne Isotalo	FIN	1020	+329	+313	
32	Jozsef Torok	HUN	1020	+317	+306	
33	Juhani Isotalo	FIN	1020	+282	+303	
34	Vladislav Urban	CZE	1020	+360	+299	
35	Riho-Ats Saatvali	EST	1020	+276	+282	
36	Hakan Broberg	SWE	1020	+360	+70	
37	Luka Hribar	SLO	1020	+348		
38	Martin Hartl	CZE	1020	+313		
39	Bernard Mraquois	FRA	1020	+304		
40	Indrek Harjo	EST	1020	+261		
41	Dragan Stankovic	SLO	1020	+226		
42	Peter Moeninghoff	GER	1020	+18		
43	Vinko Tomljanovic	CRO	240	180	180	180
44	Evgeny Gorban	UKR	240	180	180	180
45	Oskars Grigals	LAT	233	180	180	180
46	Vladislavs Dreijers	LAT	225	180	180	180
47	Peter Martin	GBR	240	180	163	180
47	Virginijus Ivancikas	LTU	240	180	180	163
49	Jean - Claude Cheneau	FRA	240	162	180	180
50	Alfonso D'atti	ITA	240	180	180	151
51	Per Findahl	SWE	240	180	180	180
52	Radoje Blagojevic	SRB	240	148	180	180

F1B team results

				places
1	Russia	RUS	3060	1,7,15
2	Israel	ISR	3060	3,5,23
3	Poland	POL	3060	2,5,26
4	Hungary	HUN	3060	7,24,32
5	Germany	GER	3060	10,12,42
6	Finland	FIN	3060	18,31,33
7	Slovenia	SLO	3060	13,37,41
8	Czech Republic	CZE	3060	24,34,38
9	Estonia	EST	3060	27,35,40
10	Ukraine	UKR	3054	
11	France	FRA	3042	
12	Serbia	SRB	3028	
13	Lithuania	LTU	3001	
14	Latvia	LAT	2998	
15	United Kingdom	GBR	2970	
16	Sweden	SWE	2934	
17	Bosnia-Herzegovina	BIH	2911	
18	Romania	ROU	2879	
19	Norway	NOR	2861	
20	Slovakia	SVK	2753	
21	Italy	ITA	2746	
22	Netherlands	NED	2732	
23	Croatia	CRO	1981	
24	Macedonia	MKD	1923	
25	Turkey	TUR	1915	
26	Denmark	DEN	1763	
27	Austria	AUT	1025	
28	Bulgaria	BUL	1020	
28	Switzerland	SUI	1020	

53	Roel Lucassen	NED	240	180	144	180	240	984
54	Kliment Masin	MKD	202	180	180	180	240	982
55	Viktors Rosonoks	LAT	240	180	180	180	200	980
56	Eligijus Barkus	LTU	227	151	180	180	240	978
57	Malik Cabaravdic	BIH	240	180	137	180	240	977
58	Mirsad Kapetanovic	BIH	196	180	180	180	240	976
59	Marian Popesku	ROU	240	180	180	180	187	967
60	Ante Franic	CRO	240	180	124	180	240	964
61	Daniel Petcu	ROU	240	120	180	180	240	960
62	Haris Jusufbasic	BIH	240	180	180	180	178	958
63	Bela Suranyi	ROU	240	135	180	180	217	952
63	Ivan Treger	SVK	201	180	180	180	211	952
65	Russell Peers	GBR	167	180	180	180	240	947
66	Walter Liberatore	ITA	240	180	180	105	240	945
67	Aljosa Anastasov	MKD	209	180	180	180	192	941
68	Bror Eimar	SWE	240	180	180	180	144	924
69	Jan Cihak	E/C	240	180	180	150	162	912
70	Christian Schwartzbach	DEN	232	137	180	180	175	904
71	Jens Kristensen	DEN	199	60	180	180	240	859
72	Tor Bortne	NOR	222	180	180	165	74	821
73	Mario Kusterle	ITA	240	180	180	180	30	810
74	Igor Miretus	SVK	169	150	102	120	240	781
75	Kevin Lamers	NED	188	180	180	180	0	728
76	Ismet Yurtseven	TUR	240	180	180	119	0	719
77	Ismail Sarioglu	TUR	240	24	180	180	0	624
78	Franz Wutzi	AUT	111	124	180	180	0	595
79	Naci Bitik	TUR	47	180	165	180	0	572
80	Harald Meusburger	AUT	144	78	78	130	0	430
Number of maximum in each round			64	69	73	72	60	
Number of full scores up to each round			64	59	55	50	42	

F1C Individual results

1	Artur Kaitschuk	RUS	1020	+360	+378
2	Roman Evstigneev	RUS	1020	+360	+363
3	Vasily Zosimenko	UKR	1020	+360	+357
4	Juri Roots	EST	1020	+360	+343
5	Serhiy Katyba	UKR	1020	+360	+328
6	Shlomo Nagari	ISR	1020	+360	+302
7	Edward Burek	POL	1020	+360	+299
8	Gauthier Briere	FRA	1020	+360	+289
9	Martin Larsson	SWE	1020	+360	+262
10	Jaroslav Blatny	CZE	1020	+360	+250
11	Marek Roman	POL	1020	+360	+243
12	Francois Ducassou	FRA	1020	+360	+220
12	Yaroslav Vasilyev	BLR	1020	+360	+220
14	Viacheslav Aleksandrov	E/C	1020	+338	
15	Giorgio Venuti	ITA	1020	+323	
16	Kaarle Kuukka	FIN	1020	+304	
17	Darijus Atkociunas	LTU	1020	+277	
18	Stanco Dobrev	BUL	1020	+260	
19	Jerzy Wlodarczyk	POL	1020	+255	
20	Dragan Lakic	SRB	1020	+223	
21	Volodymir Syhovich	SLO	240	180	180
22	Yaakov Itzhakov	ISR	240	180	180
23	Tommy Eriksson	SWE	223	180	180
24	Oleg Grushkov	UKR	240	180	157
25	Andrea Banci	ITA	216	180	180
25	Vitezslav Berek	CZE	240	180	180
27	Aleksandr Vyazov	RUS	215	180	180
28	Luka Aringer	AUT	207	180	180
29	Karel Berek	CZE	240	180	180
30	Manfred Nogga	GER	200	180	180
31	Claus-Peter Waechtler	GER	191	180	180
32	Ken Faux	GBR	190	180	180
33	Ziva Kovacki	SRB	240	180	125
34	Pierre Marrot	FRA	240	180	180
35	Gerhard Aringer	AUT	240	180	114
35	Reinhard Truppe	AUT	240	180	180
37	Damjan Zulic	SLO	240	180	164
38	Alan Jack	GBR	169	180	180
39	Eddy Astfeldt	SWE	240	180	180
40	Mustafa Sahinovic	BIH	240	150	180

F1C team results

1	Poland	POL	3060
2	Ukraine	UKR	3037
3	Russia	RUS	3035
4	Czech Republic	CZE	2999
5	France	FRA	2997
6	Sweden	SWE	2968
7	Italy	ITA	2943
8	Israel	ISR	2921
9	Serbia	SRB	2915
10	Austria	AUT	2895
11	Lithuania	LTU	2829
12	Slovenia	SLO	2822
13	Germany	GER	2752
14	United Kingdom	GBR	2666
15	Bosnia-Herzegovina	BIH	2094
16	Estonia	EST	1579
17	Belarus	BLR	1020
18	Finland	FIN	1020
19	Bulgaria	BUL	1020
20	Latvia	LAT	895

41	Branko Bijelic	SRB	210	180	180	120	240	930
42	Franco Gradi	ITA	240	180	180	180	147	927
43	Virinijus Formaniukas	LTU	240	180	180	180	138	918
44	Maris Voits	LAT	216	180	103	180	216	895
45	Danas Babenskaskas	LTU	187	104	180	180	240	891
46	Avraham Elyakim	ISR	240	180	180	131	159	890
47	Anton Pavel Vidensek	SLO	220	180	180	180	95	855
48	Edin Sahinovic	BIH	240	0	180	180	205	805
49	Michael Sondhauss	GER	240	180	88	180	113	801
50	Mick Lester	GBR	167	0	180	180	220	747
51	Raimond Naaber	EST	27	180	138	180	34	559
52	Rade Mazalica	BIH	22	20	112	180	20	354
Number of maximum in each round			37	47	44	44	38	
Number of full scores up to each round			37	35	30	25	20	

F1 Challenge

Order determined by total score in all three events

	Country	Total	F1A	F1B	F1P
1	France	9099	3060	3042	2997
2	Russia	9071	2976	3060	3035
3	Poland	9066	2946	3060	3060
4	Czech Republic	9064	3005	3060	2999
5	Israel	9041	3060	3060	2921
6	Sweden	8962	3060	2934	2968
7	Serbia	8931	2988	3028	2915
8	Ukraine	8922	2831	3054	3037
9	Slovenia	8922	3040	3060	2822
10	Germany	8734	2922	3060	2752
11	Italy	8732	3043	2746	2943
12	United Kingdom	8557	2921	2970	2666
13	Lithuania	8471	2641	3001	2829
14	Bosnia-Herzegovina	7900	2895	2911	2094
15	Estonia	7480	2841	3060	1579
16	Latvia	6943	3050	2998	895
17	Austria	6597	2677	1025	2895
18	Finland	6310	2230	3060	1020
19	Hungary	6081	3021	3060	
20	Romania	5939	3060	2879	
21	Slovakia	5591	2838	2753	
22	Turkey	4874	2959	1915	
23	Netherlands	4804	2072	2732	
24	Denmark	4716	2953	1763	
25	Bulgaria	4624	2584	1020	1020
26	Norway	4241	1380	2861	
27	Switzerland	3813	2793	1020	
28	Croatia	1981		1981	
29	Macedonia	1923		1923	
30	Belarus	1020			1020

PRILEP CUP, MACEDONIA, JULY 30-31

F1A 38 flew

1	S Zachara (J)	SVK	960	+360	+404
2	M Lomov (J)	RUS	960	+360	+360 +331
3	N Stosic	MKD	960	+360	+360 +271
4	M Mongai (J)	FRA	960	+360	+332
5	P Findahl	SWE	960	+360	+313
6	M Kulich (J)	CZE	960	+360	+227
7	J Tauer	CZE	960	+360	+196
8	J Yori (J)	USA	960	+360	+193
9	I Kulich	CZE	960	+360	+189
10	B Bardarov	BUL	960	+312	
11	A Murkovic (J)	SLO	960	+188	
12	M Bencik (J)	SLO	960	+177	
13	A Seifert (J)	GER	958		
14	A Levy	ISR	946		

F1C 3 flew

1	A Vyazov	RUS	890
2	A Drozdov	RUS	748

F1P-Junior 1 flew

1	I Trapeznikov	RUS	960
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F1A-Junior 22 flew

1	S Zachara	SVK	960	+360	+404
2	M Lomov	RUS	960	+360	+360 +331
3	M Mongai	FRA	960	+360	+332
4	M Kulich	CZE	960	+360	+227
5	J Yori	USA	960	+360	+193
6	A Murkovic	SLO	960	+188	
7	M Bencik	SLO	960	+177	
8	A Seifert	GER	958		
9	G Yair	ISR	910		
10	V Rossler	CZE	856		
11	J Gibbs	GBR	853		

F1B 26 flew

1	O Sela (J)	ISR	960	+360	+446
2	B Gostojic (J)	SRB	960	+360	+308
3	M Tisserond	FRA	960	+360	+293
4	M Rigault	FRA	960	+360	+273
5	P Lomov (J)	RUS	960	+360	+262
6	K Ivanova (J)	BUL	960	+360	+258
7	S Gostojic	SRB	960	+275	
8	J Pivonka (J)	USA	960	+177	
9	K Masin	MKD	960	+132	
10	S Lomov	RUS	960		
11	T Davis (J)	USA	952		

F1B-Junior 16 flew

1	O Sela	ISR	960	+360	+446
2	B Gostojic	SRB	960	+360	+308
3	P Lomov	RUS	960	+360	+262
4	K Ivanova	BUL	960	+360	+258
5	J Pivonka	USA	960	+177	
6	T Davis	USA	952		
7	B Bechor	ISR	947		
8	J Tisserond	FRA	923		

DJORDJE ZIGIC, Zrenjanin, Serbia, Aug 12-13

F1A 63 flew 24 full scores

1	R Koglot	SLO	1020	+360	+473
2	D Fric	CZE	1020	+360	+456
3	A Dominik	SUI	1020	+360	+446
4	P Findahl	SWE	1020	+360	+417
5	I Shichman	ISR	1020	+360	+413
6	J Nyhegn	DEN	1020	+360	+404
7	A Gorsky	RUS	1020	+360	+402
8	A Persson	SWE	1020	+360	+397
9	E Ragot	FRA	1020	+360	+395
10	M Kochkarev	RUS	1020	+360	+378
11	R Hellgren	SWE	1020	+360	+376
12	B Trachez	FRA	1020	+360	+374
13	L Biteznik	SLO	1020	+360	+359
14	D Halbmeier	GER	1020	+360	+300
15	Y Titov	RUS	1020	+360	+293
16	A Ryzantsev	RUS	1020	+360	+276
17	M Kosonozhkin	RUS	1020	+360	+126
18	M Moskoviz	ISR	1020	+360	
18	B Bardarov	BUL	1020	+360	
20	A Van Eldik	NED	1020	+335	

F1A-Junior 1 flew

1	C Ragot	FRA	886
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F1B 51 flew 22 full scores

1	A Bulatov	RUS	1020	+360	+440
2	D Larsen	NOR	1020	+360	+386
3	L Hribar	SLO	1020	+360	+385
4	E Gorban	UKR	1020	+360	+380
5	A Krawiec	POL	1020	+360	+367
6	A Burdov	RUS	1020	+360	+364
7	S Kuflik	ISR	1020	+360	+357
8	P Moninghoff	GER	1020	+360	+353
9	V Urban	CZE	1020	+360	+329
10	M Rigault	FRA	1020	+360	+323
11	A Gey	GER	1020	+360	+314
12	I Blazhevyh	UKR	1020	+360	+305
13	P Martin	GBR	1020	+360	+304
14	J Cheneau	FRA	1020	+360	+281
15	J Isotalo	FIN	1020	+360	
16	G Willemssen	NED	1020	+296	
17	J Cihak	CZE	1020	+264	
18	C Vlad	ROU	1020	+247	
19	T Fibish	ISR	1020	+238	
20	I Yurtseven	TUR	1020	+233	

F1B-Junior 2 flew

1	B Gostojic	SRB	960
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F1C 27 flew

1	A Babenko	UKR	1020	+360	+387
2	A Kaitchuk	RUS	1020	+360	+385
3	V Sychov	SLO	1020	+360	+357
4	A Vyazov	RUS	1020	+360	+350
5	A Elyakim	ISR	1020	+360	+313
6	O Grishkov	UKR	1020	+360	
7	S Katyba	UKR	1020	+345	
8	Z Kovacki	SRB	1020	+335	
9	V Zosimenko	UKR	1020	+316	
10	V Yehorov	UKR	1020	+298	
11	Y Itzhakov	ISR	1020	+277	
12	A Jack	GBR	1017		

POITOU, NOIZÉ, FRANCE, AUGUST 5-6**F1A 53 flew**

1	A Van Wallene	NED	1320	+360	+521
2	J Schellhase	GER	1320	+360	+307
3	A Van Eldik	NED	1320	+360	+216
4	V Croguennec	FRA	1320	+360	+131
5	C Bachmann	SUI	1320	+284	
6	C Thom	GER	1320	+229	
7	C Marquois	FRA	1289		
8	B Pouzet	FRA	1288		
9	J Cooper	GBR	1287		
10	J Challine	FRA	1271		
11	B Duijghuisen	NED	1270		
12	B Trachez	FRA	1263		
13	E Bernard	FRA	1256		
14	L Nielsen	DEN	1250		
15	S Soulard	FRA	1248		
16	M Donner	GER	1246		
17	M Dupont	FRA	1240		
17	T Strobel	GER	1240		
19	M Van Dijk	NED	1232		
20	G Bernard	FRA	1227		

F1A-Junior 4 flew

1	L Chene	FRA	1198
2	J Pouzet	FRA	1158

F1C 8 flew

1	G Briere	FRA	1311
2	F Ducassou	FRA	1300
3	N Allen	GBR	1247

F1B 30 flew

1	B Marquois	FRA	1320	+360
2	R Lucassen	NED	1320	+188
3	R Nouvian	FRA	1311	
4	G Marquois	FRA	1290	
5	M Woodhouse	GBR	1280	
6	J Drapeau	FRA	1279	
7	J Cheneau	FRA	1271	
8	G Buisson	FRA	1267	
9	B Jacquemin	FRA	1240	
10	M Woolner	GBR	1237	
11	W Feijth	NED	1214	
11	B Marquois	FRA	1214	

F1B-Junior 2 flew

1	M Morandini	FRA	1154
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F1Q 10 flew

1	P Buchwald	DEN	1320	+480
2	T Oxager	DEN	1320	+227
3	I Kaynes	GBR	1268	
4	P Seren	GER	1169	

MONCONTOUR 2 MINUTE, ST JEAN DE SAUVES, AUGUST 4**F1G 20 flew**

1	J Drapeau	FRA	600	+285
2	P Ball	GBR	600	+114
3	R Lepage	FRA	599	
4	D Chevenard	FRA	595	
5	R Nouvian	FRA	591	
6	A Besnard	FRA	588	
7	R Nevers	FRA	587	
8	N Allen	GBR	585	
9	J Challine	FRA	550	
10	M Marshall	GBR	506	

F1S 8 flew

1	P Buchwald	DEN	600
2	P Ceres	FRA	597
3	P Jellis	GBR	535
4	M Dilly	GBR	480

F1H 8 flew

1	G Bernard	FRA	600	+360	+480
2	G Madelin	GBR	600	+360	+456
3	P Chaussebourg	FRA	600	+360	+233
4	J Cooper	GBR	600	+108	

1/2A/F1J 4 flew

1	K Faux	GBR	480
2	T Oxager	DEN	360
3	P Chapman	GBR	244

IZET KURTALIC, BOSANSKI, BOSNIA-HERZEGOVINA, AUG 6**F1A 16 flew**

1	E Sahinovic	BIH	960	+295
2	T Weimer	GER	960	+280
3	R Lopez	ARG	950	
4	A Pesic	BIH	929	
5	R Blagojevic	SRB	915	
6	E Kerkez	BIH	905	

F1A-Junior 2 flew

1	B Limo	BIH	750
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F1B 7 flew

1	R Blagojevic	SRB	960	+215
2	A Shelepov	MNE	960	+146
3	B Markusic	CRO	852	

F1C 4 flew

1	Z Grepl	CRO	540
2	C Gretter	GER	360

HURON CUP, TOTTENHAM, CANADA, Aug 13

F1A 4 flew 2 full scores

1	V Nikolajevs	CAN	900	+247
2	J Danier	CAN	900	+236

F1B 5 flew 4 full scores

1	T Mathews	CAN	720	+431
2	L Horak	CAN	720	+348
3	R Felix	USA	720	+281

F1C 1 flew

1	Y Shvedenkov	CAN	720	
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BMFA F1E AUGUST 14

This was the first use of a new site at Minninglow. It went well with pleasant weather and well accepted by the farmer, but not without its challenges – wind blowing round either side of the round hill and Doug Bartle got a model into a disused quarry, retrieved by the farmer next day.

4 flew, 4 flights to 120 max

1	D Bartle	400.00%
2	I Kaynes	376.11%
3	P Fynn	320.56%

BMFA 6TH AREA MEETING, JULY 24

Area	Weather
Scotland	Light wind some rain
North West	
Northern	
Midland	Dry 10 to 15 mph
London	Clear 12 to 15 mph
East Anglia	5 to 10 mph 15 at f/o sunny
Western	5 to 15 overcast light showers
South East	Warm gusting to 15 mph
Southern	15 plus overcast poor vis
South West	

F1A 24 flew

1	J Williams	Birmingham	12.30	4.22
2	J Cooper	Biggles	12.30	3.15
3	M Gibbs	Bristol & West	12.30	2.50
4	D Cox	Crookham	12.08	
5	J Carter	Grantham	11.59	
6	C Edge	Scotia	11.55	
7	J Hook	Crookham	11.42	
8	N Parry	Biggles	11.23	
9	P Williams	Richmond	10.25	
10	C Parry	Biggles	9.35	
11	D Truluck	Vikings	9.30	
12	G Hart	Vikings	9.05	

P30 14 flew

1	T Bailey	Grantham	6.00	3.11
2	P Adams	Peterborough	6.00	
3	P Hall	Crookham	5.45	
4	W Dennis	Grantham	4.58	
5	W Hodgkinson	Grantham	4.55	
6	D Taylor	Grantham	4.46	
7	S Willis	Croydon	4.33	

Vintage Rubber & Power 8 flew

1	F Rushby	CLEEMAC	7.30	4.20
2	P Ball	Grantham	7.30	2.50
3	S Willis	Croydon	7.30	0.03
4	D Cox	Crookham	7.19	

F1Q 6 flew

1	T Grey	Crookham	12.30	3.33
2	G Warburton	Morley	11.42	
3	J Patton	Crookham	10.49	

Tailless 8 flew

1	S Willis	Croydon	6.01	
2	T Stevens	Bristol & West	5.12	
3	R Elliott	Croydon	4.38	
4	T Challis	Crookham	4.14	

SLOP 7 flew

1	C Foster	Morley	7.30	3.53
2	P Ball	Grantham	7.30	o/r
3	A Moorhouse	Vikings	5.28	
4	D Ginns	MHMAC	5.14	

Plugge

Scores for all events were checked, some corrections made to Area 1 to Area 5 scores.

	6 th Area:	F1A	F1Q	T's less	Total
1	Crookham	163	167	113	2569
2	Morley		83		1177
3	Bristol & West	121	88		1120
4	Midland FFC	42	17		759
5	Vikings	112			700
6	Biggles	167			681
7	Croydon			175	550
8	Grantham	133		38	506
9	Crawley	50		13	403
10	Birmingham	121			394

INTERNATIONAL INDOOR FLY-IN 2016

We would like to invite you for the International Indoor Fly-In! Already going for it's sixth edition. On the 12th and 13th of November Nijmegen will once again welcome indoor flyers from the international flying community!

The preliminary schedule for the event: Saturday 12 November 8.30-19.00 and Sunday 13 November 8.30-18.00. A detailed schedule will be provided middle October to the flyers that have entered.

Classes are:

Scale: F4D Open Scale Rubber; F4E Open scale CO2/electric; F4F Peanut; Pistachio; Kit scale; Profile Scale (6.0 gram minimum weight)

Duration: F1D (open duration); F1M (1.5 gram limited Pennyplane); F1M Small (F1M for juniors) F1L (EZB); F1N (Indoor Glider); Sainte Formula (3 gram minimum weight)

Fun: Pylon race (team race)

Further details from: <http://www.iifi.nl/iifi.html>

F1E POLAND, AUGUST 26-28

Ian Kaynes

This event was the usual set of three competitions on three successive days,. This year the event near Raciborz was on the first day. The start was delayed because the French and Bob Sifleet had got lost from the convoy and the coordinates they had been given did not take them to the correct location. The slope had rather complex geometry and for most of the time the wind was blowing across it. The difficulty was shown by there being only a single 3-min max in the first round and only five in round 2. Marian Popescu did not max in either of those rounds but a max in round 3 put him into the lead which he kept to the finish.

The final two days were on the good hill at Toszek with a slope facing into the southerly wind which we had on both days, but both days the wind became rather strong in the afternoon, reaching 8 m/s. All flights were made to 3-min maxes. After round 4 I found myself as the only person with a full score, but for the second time in the month I failed at the last hurdle (after dropping round 7 at Poitou F1Q). The following pack were Stanislaw Kopacz who had dropped 15 second in round 1 and Daniel Bildea who had dropped 16 sec in round 3. In the last round I dropped 17 sec, but Stanislaw also lost time so Daniel won by just one second. The final day was also won with less than full score, this time by Wieslaw Moj but with less close top places.

17th Governor's Cup, Raçibórz, Poland, August 26

F1E 48 flew

1	M Popescu	ROU	468.89
2	J Zurowski	POL	452.78
3	J Orel	CZE	429.44
4	V Gorynin	UKR	417.22
5	D Chornyj (J)	UKR	393.89
6	K Zurowski	POL	384.45
7	V Zima	CZE	382.78
8	A Prodanel	ROU	382.22
9	D Bildea	ROU	380.00
10	F Mang	AUT	372.78

F1E-Junior 10 flew

1	D Chornyj	UKR	393.89
2	M Prodanel	ROU	364.43
3	D Hariton	ROU	340.56

Friendship Cup of Ukraine, Gliwice, August 27-28

F1E 49 flew

1	D Bildea	ROU	491.11
2	I Kaynes	GBR	490.56
3	S Kopacz	POL	485.00
4	P Chaussebourg	FRA	464.44
5	S Kubit	POL	462.78
6	F Kanczok	POL	461.67
7	E Slomka	POL	459.44
8	C Trachez (J)	FRA	458.88
9	W Moj	POL	456.11
10	V Gorynin	UKR	436.11

1E-Junior 13 flew

1	C Trachez	FRA	458.88
2	J Wisniewski	POL	425.55
3	E Kozuchova	SVK	424.44

Toszek Cup, Toszek, Poland, August 28

F1E 50 flew

1	W Moj	POL	487.78
2	F Kanczok	POL	480.00
3	E Kozuchova (J)	SVK	460.00
4	C Trachez (J)	FRA	453.33
5	K Zurowski	POL	451.11
6	V Gorynin	UKR	446.67
7	I Gozdek (J)	POL	436.67
8	J Drapeau	FRA	426.66
9	R Mang	AUT	405.56
10	J Zurowski	POL	402.77

F1E-Junior 15 flew

1	E Kozuchova	SVK	460.00
2	C Trachez	FRA	453.33
3	I Gozdek	POL	436.67

STONEHENGE AND EQUINOX CUPS

A reminder of the details as the entry closing date of September 16 is coming up soon.

World Cup Events

Saturday	Sept 24	Stonehenge Cup	F1A, B, C/P and Q
Sunday	Sept 25	Equinox Cup	F1A, B, C/P and Q

Flying Site

The site is situated to the south of the B390 between Shrewton and Chitterne and will be signposted from the B390.

The terrain is undulating rough grassland crossed by dirt roads and tracks. The land is a military training area, which is carefully managed to preserve the history and wildlife. Model retrieval is usually on foot.

The area must be kept clean and tidy at all times and rules to protect the site must be observed.

Please note-there are no catering facilities available - competitors must bring their own food and drink.

Programme

Events will start at 09.00. There will be 5 rounds plus fly-offs flown from a flight line. The max for round 1 will be 240 seconds. All other rounds will be 180 seconds max. These maximum times and program may vary according to circumstances. All competitors will receive a gift.

Rules

The relevant section of the FAI Sporting Code will be followed. All competitors must hold a valid FAI licence.

Trophies

These will be awarded down to 3rd place for each class.

Timekeepers

Timekeepers will not be provided by the organisers for the rounds. Competitors must find their own timekeepers. Timekeepers will be allocated by the organisers for Fly-offs.

Accommodation and Camping Information

Information is available on request from Peter Tribe:- petertribe46@talktalk.net

For further information please contact:-

Richard Jack or Peter Martin ffworldcupuk@gmail.com or Peter Tribe petertribe46@talktalk.net

Entry Procedure

Entry forms were published in the June FFN.

Competitors from the UK who wish to compete in either or both events need to post their entry forms to:-

Peter Martin, 23 Woodland Court, Dyke Road Avenue, Hove, UK, BN3 6DP

complete with payment cheque made out to BMFA. (Except that entry fee is included in the UK Contest Season Ticket, so holders need to make no additional payment)

Competitors residing outside the UK should email their completed entry form(s) to ffworldcupUK@gmail.com. Overseas entry fees may be paid on the day in £, \$ or Euros.

Entry forms must be received by not later than **Friday September 16**.

SOUTHERN COUPE LEAGUE

Fifth Round - Southern Gala, Salisbury Plain, August 20

By Peter Hall

To go or not to go ? That was the question. Forty m.p.h. winds, rain, possibly thunderstorms and lightning strikes, the forecast like that for Brexit was not propitious. To go meant on the one hand uncertainty, risk and the probable loss of assets, but on the other, freedom and the exhilarating challenge of competition. To stay meant on the one hand security, predictability and the opportunity to mend the roof if the sun was shining, but on the other, diminished autonomy and no respite from petty restrictions. I voted to stay and didn't go but several diehards did. Two flew glider, one power and one H.L.G. Trevor Payne RDT'd his second and last flight at four and a half minutes, retrieving it two and a half miles away, that's thirty - three mph. No one flew coupe so we must wait for Odiham on September 3rd for a challenge to Gavin Manion's lead. This would most likely have come from Peter Tolhurst now in second place, but as I am sure we all now know Peter is seriously ill and will not be with us at Odiham. We all wish him a full recovery and look forward to seeing him in competition again.

FREE FLIGHT FORUM

The Free Flight Forum is planned to be on November 20. This is provisional at present, depending on sufficient speakers; check future FFN, the BMFA website, and BMFA office nearer the date. Venue is the Hinckley Island Hotel, A5 Watling Street, Hinckley, LE10 3JA. Tickets £9.00.