



Editorial

Andy Sephton



First off, I'd like to thank Mike Sollitt for agreeing to take over as Scale Technical Committee (STC) PRO and Newsletter Editor...accordingly this will be my last missive as Editor!

Secondly, I'd like to welcome the new STC Secretary, John Carpenter - see later for a mug shot and short CV. I would also like to thank Steve Jackson for stepping in at short notice to become this years RC Competition Secretary

By the time you've read this, the new 2018 Rule book will be available for download from the BMFA Website. There are a number of significant Rule changes this year, so if you intend to compete, download a copy and read it!

I have news of two new competitions. We are looking to introduce a light Scale competition into the BMFA Scale programme in 2019. The idea is to encourage more Club flyers into BMFA competition by limiting the entry to models of around 5kg maximum all up weight. The rules are yet to be finalised. If you have any comment, please address it soonest to a member of the STC.

The second competition is due to some outstanding behind the scenes work by John Minchell in bringing the Eddie Riding Trophy back to life. After extensive negotiation, the competition is now being organised by the BMFA Scale Technical Committee and will be held this year at Buckminster during the weekend of 7th and 8th July during the SAM 35 Vintage and Retro Scale Weekend. There will be five competition classes: Open Rubber, CO2/Electric, IC Power, Jet (Rapier, Jetex, DF) and Eddie Riding Designs. With the exception of the Eddie Riding Designs event, which will be held to rules that have yet to be agreed, all the competitions will be to BMFA Scale Rules. Note that models for the Eddie Riding Designs competition must be built from specific plans. If you are not already aware of which plans are, or are not, eligible, then seek advice from the STC before you commence building. Finally, keep your eye on the modelling press for more details.

If you haven't already clocked it, I'd like to remind all Scale FF modellers that the outdoor Nationals will be held at Barkston during the August Bank Holiday. And on the subject of National competitions, the dates for the BMFA Scale Indoor RC (4 March) and FF (15 April) Nats are fast approaching...



BMFA Scale Technical Committee

This year's BMFA Scale Technical Committee will consist of:

Steve Kessel - Chairman
John Carpenter - Secretary
Andy Sephton - Treasurer
Mike Sollitt - PRO
Chris Allen - Safety and CIAM Rep
John Minchell - Indoor Scale
Robin Gowler - Results

Ex-committee:

Competition Secretary (RC) - Steve Jackson
FF Scale - Bill Dennis
CL Scale - Brian Cordwell
Helicopter - John Coplestone

John Carpenter

John was born in 1943 and developed an interest in model aviation from the age of 11 which developed to Radio Control from the age of 15. He is married with two grown up children and several assorted grandchildren.

After school he joined the Civil Service in 1960 and took early retirement in 1998.

Over the years he has dabbled in most forms of RC model flying but always returned to scale modelling which has been his primary interest since first competing in the late 70s. John is currently competitive in F4(C) and F4(H) events in UK and Europe.



BMFA Scale Rule Changes for 2018

The following is a summary of the Rule Changes made in the 2018 Scale Rule Book. For more detail, see the 2018 Rule Book, which can be downloaded free of charge from the BMFA Website:

Para 6.1.1.3 - Clarification of the BOM Rule

Para. 6.1.1.4 – Addition of statement on entry fees.

Para. 6.1.1.11 – Addition of statement and definition of wing loading

Para. 6.2.2 – Introduction of new section for C/L Flying Only

Para. 6.3.1.6 – Clarification of rule allowing change of options between flight rounds

Paras. 6.3.1.9/6.3.1.10 – Change of K factor when using gyros

Para. 6.3.3 – Introduction of new section for R/C Flying Only

Para. 6.3.4.2 – change of max weight for R/C indoor to 300gm

Section 6.3.6 – Clarification of various R/C manoeuvre descriptions and addition of indoor height limits.

Para 6.4 – Introduction of new section for FF General Rules, which includes revised rules for dummy pilots, the use of R/C DTs and retractable landing gear.

Section 6.4 – All FF classes where the flight phases are judged – introduction of Cruise Phase; Judging of Realism has been moved to the end of the flight and the K factors have been revised and simplified.

Para 6.4.11.1 – Indoor kit Scale qualification rules revised

ANNEX 6A – Clarification of Team Trial procedure to reflect custom and practice

ANNEX 6B – 6B4 – (e) and (f) – Clarification

ANNEX 6B – 6B4 – (h) Addition of Calcutta Cup

Please note that there is an error in the current rule book:

BMFA CONTEST RULES –SECTION 6 - SCALE RULE BOOK

Page 11 – Paragraph 6.1.2.6 – Static Judging Distance

Table Column 2 – Heading should read; **ITEM 1 (a), (b) & (c)**

Table Column 2 – Heading should read; **ITEMS 2 to 6 inc.**

F4C and F4H World Champs Team Trials

(Steve Kessel)



As most of you know the 2018 FAI F4C and F4H Scale World Championships will take place in Switzerland this year at Swiss Air Force base of Meiringen from July 5th to July 14th. The trials to select the members for the British teams took place at the BMFA National Centre over the weekend of 16th/17th September. There were seven competitors vying for the six places available: John Carpenter, Richard Crapp, Dave Knott, Jim Reeves, Mick Reeves, Dave Toyer and Dave Womersley.

The static judging took place on Saturday with Chris Allen and Steve Kessel in the judges chairs. All models were judged to both F4C and F4H rules. This was an interesting exercise in that the order of merit came out almost the same as shown in the table below.

The Flying part of the trial took place on Sunday using the eastern end of the Buckminster runway. After the initial mist had burnt off it was fine and bright for the majority of the day. Robin Gowler joined Chris and Steve for judging and Steve Jackson turned up to join in the flying. There was some good close flying with Richard achieving the best score of the day with his Westland Wessex. This model is really showing the benefits to be had from a well set up gyro system. All went well except for one incident, the sad demise of Mick Reeves' Sopwith 1½ Strutter on its first flight. It spiralled in following the half roll part of a Split S manoeuvre. Mick later reported that this was the result of a switch breaking on his transmitter. Unfortunately the model was written off.

For those of you who are not aware, the final selection is made by combining the trial results with the contestants best two flights over the last contest season. This gave the teams as:

F4C: Dave Womersley, Dave Knott and Dave Toyer with Steve Kessel as Team Manager

F4H: Jim Reeves, Richard Crapp and John Carpenter with John Minchell as Team Manager

I am sure you will all wish the teams well at the championships and let's hope that three Daves on one team won't give the Swiss administrators too many headaches!

F4C and F4H Team Selection Results for 2018 FAI Scale World Championships

F4C	Competitor	BMFA No.	Model	Team Trial Flights			Season's Flights (Normalised)			Overall Flight Score	Team Trial Static		Final Result		
				Flight 1	Flight 2	Best Flight	A	Best Score 1	Best Score 2	B	C = (A+B)/2	D	[C+D]/2		
														Best Flight Normalised	Range of the Season's Best Two Qualifying Flight Scores
1	Steve Wainwright	082204	San Chapman II 540/30	14.02.20	14.04.13	14.04.13	94.75%	100.00%	98.40%	99.20%	91.67%	1012.0	98.87%	98.41%	1
2	Chris Knight	081748	Heinkel Heinkel He 1	14.04.20	14.07.17	14.07.17	94.44%	100.00%	100.00%	100.00%	96.11%	1171	92.49%	96.44%	2
3	Chris Taylor	077595	Heinkel Heinkel	14.04.20	14.04.13	14.04.13	94.29%	94.40%	93.30%	93.85%	90.40%	1043.0	98.00%	95.41%	3
4	Jon Bennett	080270	Heinkel He 1	13.04.16	14.03.13	14.03.13	87.12%	100.00%	100.00%	100.00%	96.20%	1086.0	98.52%	95.11%	4
5	Richard Lloyd	052098	Heinkel Heinkel	13.10.17	14.03.17	13.10.17	100.00%	96.30%	93.00%	94.65%	91.00%	1196.1	93.80%	95.11%	5
6	John Lazenby	081244	Heinkel He 1 1000	14.02.17	14.04.17	14.04.17	95.90%	98.10%	91.20%	94.60%	90.00%	1111.1	71.20%	94.00%	6
7	Mike Reeves	053474	Heinkel He 1 1000	13.02.16	05	13.02.16	81.07%	93.20%	90.50%	91.85%	83.40%	1148	83.81%	73.40%	7

F4H	Competitor	BMFA No.	Model	Team Trial Flights			Season's Flights (Normalised)			Overall Flight Score	Team Trial Static		Final Result		
				Flight 1	Flight 2	Best Flight	A	Best Score 1	Best Score 2	B	C = (A+B)	D	[C+D]/2		
														Best Flight Normalised	Range of the Season's Best Two Qualifying Flight Scores
1	Steve Wainwright	082204	San Chapman II 540/30	14.02.20	14.04.13	14.04.13	94.75%	100.00%	98.40%	99.20%	100.00%	1012.0	97.96%	97.96%	1
2	Chris Knight	081748	Heinkel Heinkel He 1	14.04.20	14.07.17	14.07.17	94.44%	100.00%	100.00%	100.00%	100.00%	1086.0	96.49%	96.49%	2
3	Jon Bennett	080270	Heinkel He 1	13.04.16	14.03.13	14.03.13	87.12%	100.00%	100.00%	100.00%	101.00%	1093.0	99.72%	97.41%	3
4	Chris Taylor	077595	Heinkel Heinkel	14.04.20	14.04.13	14.04.13	94.29%	94.40%	93.30%	93.85%	90.40%	1043.0	98.00%	94.41%	4
5	Richard Lloyd	052098	Heinkel Heinkel	13.10.17	14.03.17	13.10.17	100.00%	96.30%	93.00%	94.65%	91.00%	1196.1	93.20%	94.10%	5
6	John Lazenby	081244	Heinkel He 1 1000	14.02.17	14.04.17	14.04.17	95.90%	98.10%	91.20%	94.60%	90.00%	1111.1	71.20%	93.00%	6
7	Mike Reeves	053474	Heinkel He 1 1000	13.02.16	05	13.02.16	81.07%	93.20%	90.50%	91.85%	83.40%	1148	83.81%	72.77%	7





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SCALE NATIONALS – 2017 – BARKSTON HEATH

(Chris Allen)

This short report is very much my own reflection of the event as CD and F4C Flight Judge.

The 2017 Scale Nats. were memorable because we were blessed with three days of warm sunny weather, which is really quite unusual for August BH at Barkston and hasn't happened for a long time now. OK the wind was a little variable and a little gusty on the Monday, but of no real concern.

Entries in all three R/C classes were a little lower than in recent years but from an organisational point of view this made for a more relaxed event and without the need for delays and cancelled rounds due to bad weather, which made it all the more enjoyable for me.

Thanks to my reliable team of volunteers I actually found time to watch some of the flying and chat to some of the spectators. The only hiccup to the flying programme was a medical emergency in the team racing area which stopped flying whilst the air ambulance dropped in to take a heart attack victim to hospital. The unfortunate victim has I understand made a good recovery, but I was impressed by the speed at which all flying across all disciplines was stopped in just a few minutes,

following the alarm from central control. This illustrates just how good the BMFA is at organising large model flying events, something we can be justifiably proud of.

Regrettably I did not manage to pay a visit to the Scale Control Line circle, but under Brian Cordwell's stewardship the small but devoted band of Scale C/L fliers also made the best of the good weather.

What seems likely now to have been a 'one off' Open FF scale flying only event provided evening entertainment for the FF supporters, but I suspect this may not be repeated at the 2018 Nats. because of the likely return of the FF Championship events to the August BH weekend. (Editor's note, the Scale FF Nats will be held at Barkston Heath during the August Nats weekend)

The results have already been published as have several well illustrated, nay 'glowing' reports of the R/C Scale Nats in the modelling press, so I do not intend to repeat them here, other than to congratulate the winners and thank all the competitors for their sportsmanship.

From the R/C scale point of view, the Nats site layout is now I believe, about as good as it can get. The risk of being overflowed by pylon racers is considerably less than from the showline and as a result much safer. We also have the trade area, with the caterers and refreshments right behind us. It now behoves us to ensure that we keep within our allotted airspace and there is clearly a problem using signalling flags. To avoid the flag marshals being in a danger area places them outside of the pilots and judges sightline, who are of course keeping their eyes on the model. What is needed is an audible warning which can be clearly heard by pilots and judges and the options for doing this are currently under consideration. Hopefully we will have something better in place for the 2018 Nats.

The Scale Nationals will of course not happen at all without those who give their time and skills to help run it. My usually fumbling attempts to thank them at the podium ceremony on the Monday afternoon are really less than adequate acknowledgement for their efforts and anyway there is only a small audience at these ceremonies, because most scale supporters are packing up and preparing to face the Bank Holliday traffic.

This newsletter does however provide the opportunity, if somewhat belated, to recognise these individuals and to place on record my sincere thanks.

John Minchell - R/C Flightline Manager

Gordon Warburton - Scorer

Robin Gowler and Geoff Brown - Flying Only Flight Judges

Alex Kennedy and Phil Kent - Stand-Off Scale Flight Judges

Steve Kessel - F4C Flight Judge

Mike Smith and Doug Hunt - Stand-Off Scale Static Judges

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Doug Hunt - FF CD

Ian Bryant and Martin Fardell - F4C Static Judges

Pete Fullard – Hanger Manager

John Carpenter, Jim Currie and Alan Glover - Commentators

Thanks also to those Competitors who offered their services as flag marshalls and to those who arrived early to help set up the flight line and those who stayed on to help take it down.

I hope to see you all at Barkston in the sunshine next August.



Thanks to Pete Fullard for the above Nats photos.



SHUTTLEWORTH COLLECTION RACE DAY 2017

(Graham Kennedy)

The season finale display provided both Dad and I with our first exposure to a flying event at Old Warden - albeit I attended several years before Dad. As such, it has now become tradition that we both attend and round off our respective seasons.

Any flying event is always dependent on the weather and thus, it was with some trepidation we made the journey south from my base in Cheshire to meet with Chris and Biggles. The weather forecast was very poor with concerns of waterlogging on the airfield. However, I never fail to learn something on every visit to an aircraft museum or display and as a consequence, the weather forecast is not enough (on its own) to deter me.

I also knew that our good friends from The Real Aeroplane Company were due to fly in on the Saturday (with their Comper Swift), so this was an added incentive to attend. In fact Chris, Dad and I have been asked to be 'models' for their new club jackets - they must be desperate!

There is no denying the weather proved to be a challenge, with the number of visiting aircraft significantly down and the flying displays restricted to those aircraft which would handle the conditions best. Nevertheless, those aircraft which did perform, put on very spirited displays in the leaden skies.

My own personal favourite was the Gladiator - the combination of the engine beat and the propeller noise was fantastic. I have seen the Gladiator perform many times before, but there was something very special about it last October. Since then, I have seen the airframe of Geoff Brown's (further) enlarged Brian Taylor designed version. Powered by a Laser 360V and coupled with Geoff's superb piloting skills, this would be a very striking aircraft.

It was also great to see Mick and Jim join us again on their classic motorbikes on the Sunday. An enjoyable and entertaining weekend as always - if you have never been to a flying event at Old Warden, it is definitely worth the effort. You never fail to see a familiar face...

Scale Programme for 2018

Date	Event	Location
4 Mar	BMFA Scale Indoor RC Nats	RAF Shawbury
10 Mar	Scale Indoor Trimming	Bushfield Leisure Centre, Peterborough
8 Apr	RC Flying Only	Osournby
15 Apr	BMFA Scale FF Indoor Nats	Wolverhampton University Gymnasium
22 Apr	RC Flying Only	Druids
29 Apr	RC Flying Only	Pontefract
6 May	RC Flying Only	Smeatharpe
26 - 28 May	BMFA FF Nats, with Scale FF comps	Barkston Heath
27 May	Calcutta Cup	Dishforth - to be confirmed
9 - 10 Jun	RC Flying Only	West London MFC, training day on 9th + Camping and BBQ
24 Jun	Ripmax Trophy and RC Flying Only	Warboys
1 Jul	Dreaming Spires Scale FF	Port Meadow, Oxford
5 - 14 Jul	RC Scale World Champs	Meiringen, Zurich, Switzerland
8 Jul	RC Flying Only	Halsall - to be confirmed
6 - 8 July	Eddie Riding Trophy (FF Scale)	Buckminster (comp date to be confirmed)
22 Jul	Masefield and Earl Stahl (FF Scale)	Old Warden
28 Jul	RC Flying Only	Skellbrooke
12 Aug	RC Flying Only	Baldock
25 - 27 Aug	BMFA Scale RC, FF and CL Nats	Barkston Heath
9 Sep	RC Flying Only	Buckminster
9 Sep	FF Flying Aces	Ferry Meadows, Peterborough
16 Sep	FF Shelby Trophy	North Luffenham
30 Sep	FF Scalefest	Port Meadow, Oxford
7 Oct	RC Flying Only	Buckminster - provisional
16 - 17 Jun 2019	Festival of Scale, RC, FF, CL, Indoor	Buckminster