

# Flightlines



Inside this edition;

**2013 Heli World Champs.**

**Topflite Elder**



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**Issue 1 - 2014**



# Midland Model Flying Club

Boora. Kilcormac. Co. Offaly.

[www.midlandmfc.ie](http://www.midlandmfc.ie)



## **Monster 3 Day Fun Fly & Bring and Buy** **13<sup>th</sup>/14<sup>th</sup>/15<sup>th</sup> June 2014**

**As last years event on the 8<sup>th</sup> and 9<sup>th</sup> of June was such a huge success we said we'd go one better this year.**

***This year were having a three-day event.***

*Friday and Saturday night will be an overnight in Boora with camping facilities ( Weather permitting )  
Two generators will supply power and floodlighting which should help those on the Friday and  
Saturday night that has never tried night flying before. Tents can be pitched one side of the pits area  
or if your one of the lucky people that has a camper van there is adequate room in the car park.*

\*\*\*\*\*

Last year we had an auction on behalf of **MMFC** and this went down a treat so we will have the same this year.

\*\*\*\*\*

*Again this year, emphasis will be on **FUNFLYING** so we intend having loads of prizes for all types of crazy flying in both fixed wing and heli. and the lads in Boora have been busy practicing a lot of this type of flying.*

\*\*\*\*\*

**A MONSTER BARBECUE** will take place on Saturday evening and a get together and sing song around a safe bonfire with Bord na Mona's permission is not to be missed, and food will again be supplied all weekend.

\*\*\*\*\*

A shuttle service will be laid on for those who want to visit The Pub in Boora next to the Bord Na Mona workshop or some of the pubs in Kilcormack.

\*\*\*\*\*

*Again we will have Films **on the big screen** on both Friday and Saturday night.*

\*\*\*\*\*

*As with other years **we will try** and have as many Commercial outlets there as possible, Model Heli Services, Eamon Morrissey, Anthony Phelan, ect..*

\*\*\*\*\*

*Orders can also be taken for a massive fry up Saturday and Sunday morning.*

\*\*\*\*\*

**As always M.A.C.I. Rules will be adhered to; so DON'T FORGET YOUR MACI CARD**

.....  
*So why not make this a weekend for the whole family and come Camping with the Lads in Boora.*

**All are welcome Planes, Helis, and Jets.**

Best regards,

Declan Heneghan.

Secretary.

Midland Model Flying Club.

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***The next MACI Council Meeting will take place on Tuesday  
March 25th 2013 in the Maldron Hotel, Portlaoise, at 8:00pm.***

***The views expressed within are those of the individual contributors, and not necessarily  
those of the MACI Committee.***

# **M.A.C.I. Executive Council and Officers 2014**

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# Editorial

So, another flying season is about to start, (I know that some of you hardy souls have continued flying throughout the Winter). Here's hoping that we get a repeat of last years good weather, without these winds that have plagued us for the last few months.

Once again, can I ask, (beg?), you for any articles and photo's that you think would be of interest to your fellow modellers. If it had not been for Dermot Gannon's contribution, this issue would have been a very thin one, so thank you Dermot.

## Large Model Registration

The period of cover given for the Registration of Large Models has now been increased from 1 year to 3 years. This was agreed at a Council Meeting last year and ratified at the AGM

This takes effect immediately, so when you register your model this year, it will be covered until the beginning of 2017.

If during this period you sell the model on, it is important that you notify MACI as soon as possible.

The deadline for the next issue is May 31st.

Safe Flying.

***Chris Clarke***

# MACI F3N Heli Sporting Code

## MACI F3N

There will be 3 different classes

1 MACI novice F3N

2 MACI intermediate F3N

3 F3N

The novice is a max K of 16 with 4 set manoeuvres and 3 min freestyle

Intermediates with a K factor of 16 to 50 with 8 set manoeuvres and a freestyle

F3N with a k factor of over 50 with 8 set manoeuvres a free style and freestyle to music

All 40 manoeuvres can be used in the F3N list

These can be used in the novice.

### 1. Forward Circle K2

MA enters the manoeuvre forwards in upright flight and performs a horizontal circle aligned to the centre line.

### 2. Pirouette K1.5

MA hovers in upright flight and performs a slow (at least 4 seconds) 360° - pirouette, maintaining its lateral position.

### 3. Double Roll Forwards K3.5

MA enters in upright forwards flight and performs two consecutive axial rolls.

### 4. Horizontal 8 K3.5

MA enters in upright forward flight parallel to the judges' line, performs a 90° - turn to a straight flight above the centre line and then performs a horizontal eight, consisting of two 360° circles.

#### 5. 180 Degree Stall Turn K2.5

MA enters in upright forward flight and performs a quarter (inside) loop to a vertical climb. Just before the stall, MA performs a 180° - pirouette to a vertical (nose down) dive, followed by another quarter (inside) loop.

#### 6. Roll Forwards K2

MA enters in upright forward flight and performs a axial roll.

#### 7. Autorotation K3.5

MA enters in an altitude of at least 25 metres of upright flight. The engine must be idle and the MA descends in an autorotative state and descends to a smooth landing on the helipad.

Pick four manoeuvres from the list above or from the lowest 14 manoeuvres in the F3N Set Manoeuvres (21 manoeuvres in total to choose from) with max K factor 16

This is a link to the FAI F3 helicopter sporting code.

[http://www.fai.org/downloads/ciam/SC4\\_Vol\\_F3\\_Helicopters\\_2013](http://www.fai.org/downloads/ciam/SC4_Vol_F3_Helicopters_2013)

Proof of insurance is required

All are welcome.

***George Ryan***

# **Topflite Elder 52FS**

## **2013 Build**



This little beauty is a Topflite Elder 40, my first ever kit build as a modeller of only 2 years. It was a most enjoyable model to build and an easy one for a first build.

Of course my only thoughts all along were.. will it take off, if it takes off will it fly and if it flies, will it land in one piece.. Gladly the above picture shows the end result coming home from her maiden....First solo, passing A and B cert were great , but maidenizing something I built from the beginning...special. Here is how the build went.....

The kit cost around €114 from Model Heli Services and came in a small box, how on earth would I make a 1500mm span plane from this I asked? All the wood seemed of a good quality and I got stuck into identifying all the various parts from the well laid out plans.





I also sorted out what bits I needed to buy to get it in the air..I opted for a SC52 fourstroke, Omni USA wheels and guns, Spectrum A6000 Digital servos (4), a wooden Zinger prop and a pilot suited to the era of WW1 fighter planes.





I set out a building board on ½ inch marine grade ply and started out making the tail sections.

The stab was an easy 2D design and was quickly assembled using CA and PVA. I cut out the plans for the smaller sections to ease the build process.

The Fin was of similar construction and was bonded to the Stab with PVA.

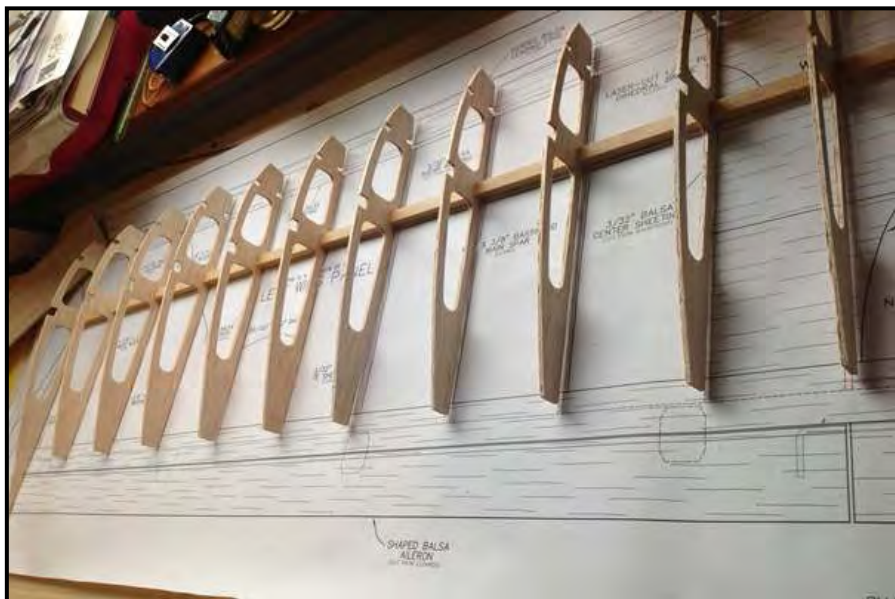
I moved on to the wings and they were an easy build bar the wing tips. The wings had a dihedral angle of 8 degrees but I decided to cut this to 4 degrees as I have flown far less in terms of dihedral.



Construction was made easy by the use of mitre bond adhesives and pva on the structural/load bearing elements. There was only one servo to install for the ailerons which was tricky enough to work out but it fitted well in the end.

The fuselage was a very easy build and I used PVA throughout for strength. The accuracy of the die cut parts was superb and I had no paring or fitting to do on any bulkhead.

Sheeting was easy to the rear but was tricky at the fore region due to the curves involved. Again, the mire bond glue made it very doable as a first build project.



I used a few laser pens to keep the formers in perfect alignment and this effort paid off later when I had to join the wing to the fuselage.

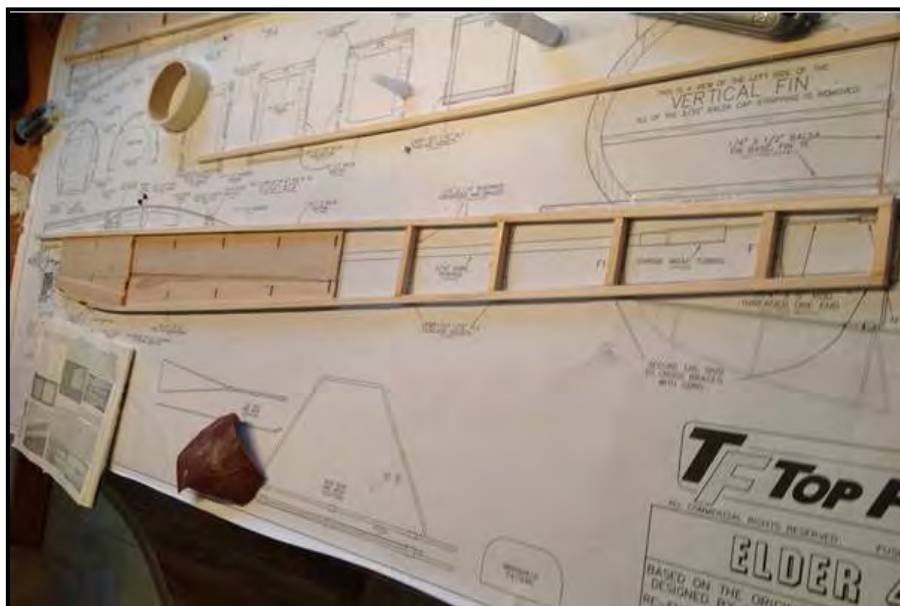




Kitting out: I proceeded to build the undercarriage and added a wooden plank made from walnut to make the plane look more ww1 but also because the elder is known for being tail heavy from rc forums I visited.









I opted for heavy wire wheel to complete the vintage look and also to add some forward weight for balancing.



The Pilot bust and Vickers gun were sourced in the USA from OMNI models..painting the pilot was left to the Art Teacher in local school and the scarf left to the better half.

Since the Elder is not a scale model but rather an interpretation of the WW1 Eindekker, I decided to go with a modern covering scheme but also to use the lovely military decals provided. I used Oracover which is very easy to use even for me as a beginner.



So when it was completed I centre of Gravity tested and it still needed 100grms lead added under the front cowl area...checked all the throws and links and made the scary decision to put her up..It was a cold day and there was a little wind. Paul Featherstonehaugh had the camera to hand and there is footage on youtube of the maiden. Heart beating, throat dry, up went the left stick and she leapt into the air quickly but didn't stall... trimming took a few circuits but she performed flawlessly. What a tremendous feeling to see her land so gracefully..I was happy...the gods were content and the planets had aligned.

Next up is a twin 52 fs which I am designing myself and cannot wait to get that feeling of maidenning a build again.







Not bad for a first build.

***Dermot Gannon***  
***Stradbally RC***

# FAI SCALE CHANGES 2014

The FAI has implemented their approved changes to the Sporting code with effect from 1<sup>st</sup> January 2014.

The main changes that relate to Scale are;

- > New Static marking for F4C and F4H (Stand Off Scale)  
now a 2 page document
- > K factor changes to Score & Static Sheets
- > Changes to Mandatory and other Flying Options
- > Guidelines for F4G Large Scale
- > Rules for F4 J Team Scale

The full list of all changes can be found on the MACI Web site by typing the following into the address bar of your Browser, and then view the summary of changes on Page 6 & 7 of the FAI rules.

<http://www.maci.ie/contest-planning/FAI-Code-Sportif-F4C-RC-Scale-2014.pdf>

The revised Score sheets and Static marking sheets will be available for download from the MACI web site as a pdf file before the start of the competition season.

The classes for Competition Flying for the MACI 2014 season will also be stated on the web site - rationalised for our Scale Scene.

***Tony Greene***

MACI Scale Secretary

# SCALE NATIONALS 2014

The Scale National Competition is the Premier event of the year for all Scale Pilots and enthusiasts. The date for this year Nationals is 23<sup>rd</sup>/ 24<sup>th</sup> August.

Whether you come to participate in the competition or just to have a look at the assembled models or to meet fellow like minded individuals - it is always an enjoyable day or two.

The Nationals have been very successfully held for the last two years in the Model County Flying Club and before that for a good few years in the Laois Model Aero Club.

The hosting of the event by any particular Club should be regarded as an added bonus to the success of the Club's flying season.

The requirement to host the Scale Nationals is no more onerous than for any other competition. There should be no concern about judges as the MACI will look after this. In fact the MACI will assist any Club in the hosting of the Nationals or indeed any other Regional Scale Event.

I believe that the Scale Nationals should be rotated around the country and I would like to give all Clubs who have any interest in Scale a chance to hold this prestigious event and more importantly, it may make it easier, for any new entrants there may be, to join the competition scene and to participate in familiar surroundings.

Would your Club be Interested in hosting the event?

If the answer is **Yes** then please let me know and we can discuss this further.

***Tony Greene***

MACI Scale Secretary

Contact details: Mobile 086 0212549 or email: [scale@maci.ie](mailto:scale@maci.ie)

# 2013 FAI F3C/F3N WORLD CHAMPIONSHIP

Wloclawek Poland July 18th to 28th



2013 saw the first ever FAI F3N World championship take place in Poland and Ireland was represented by a team consisting of Noel Campion (pilot) Barry Kennedy (pilot) and myself George Ryan (pilot/team manager) preparation began in February with preliminary entry to be submitted by the 28th of that month and flights car hire accommodation and model's to be organised .

## **DAY 1**

We flew from Cork to Warsaw and drove the 200km to Wloclawek checked into the hotel and reassembled our models ready for the next day.

## DAY 2

Today we headed out to the airfield (which is a very active site with skydiving, full-size fixed wing and helicopter gliders, models and hot air balloons all making use of this facility) to register the team then off to one of the practice sites to test fly our reassembled models and some practice flights then back to the main site for the opening ceremony .



After this I attended the team managers meeting .



### DAY 3

Today was a free day for us so it was out to the practice fields again where we met some of the other competitors.

### DAY 4

Today was model processing and official practice the models were checked over by the organisers and given there stamp of approval then over to the competition flight line for our allocated 30 minutes of practice.

### DAY 5

Today we had the first two rounds of the competition round 1 (set manoeuvres) in the morning.

2013 FAI World Championships for Model Helicopters										
F3N POLAND - Wloclawek 19. - 28.07. 2013										
N18 CAMPION Neol		IRL	1. Set Manoeuvre							
		Judge:	1	2	3	4	5			
No	Manoeuvre	K								
1	1.27 Funnel with half rolls	9.5	13	13	13	13	11	370.5		
2	1.25 Double 4-point Tic-toc	9	15	14	14	14	12	378.0		
3	1.26 Pirouetting funnel	9	14	15	14	14	12	378.0		
4	1.29 Pirouetting tic-toc	10	13	12	12	13	12	370.0		
5	8.8 Pirofunnel reversal	10	14	14	11	12	13	390.0		
6	1.28 Square of rainbows	9.5	13	13	12	13	13	370.5		
7	1.24 Diamond (Bavarian rhomb)	8.5	12	12	12	11	12	368.0		
8	8.6 Tic-toc loop with half pirouette	9	14	13	13	14	12	360.0		
TOTAL:								2923.0		
N20 RYAN George		IRL	1. Set Manoeuvre							
		Judge:	1	2	3	4	5			
No	Manoeuvre	K								
1	1.14 4-point roll backwards	8.5	15	13	16	17	13	286.0		
2	1.17 4 rainbows with half rolls	7.5	15	12	13	15	12	300.0		
3	1.20 Triple pirouetting flip	8	5	6	8	10	10	152.0		
4	1.25 Double 4-point Tic-toc	9	7	10	6	8	6	189.0		
5	1.21 Cuban eight backwards	8	8	11	10	12	8	232.0		
6	1.24 Diamond (Bavarian rhomb)	8.5	10	11	13	12	8	280.5		
7	1.16 Funnel	7.5	9	9	9	12	8	202.5		
8	1.28 Square of rainbows	9.5	10	9	7	10	6	247.0		
TOTAL:								1929.0		
N19 KENNEDY Barry		IRL	1. Set Manoeuvre							
		Judge:	1	2	3	4	5			
No	Manoeuvre	K								
1	1.28 Square of rainbows	9.5	13	13	11	11	10	332.5		
2	1.24 Diamond (Bavarian rhomb)	8.5	14	12	14	13	13	340.0		
3	1.20 Triple pirouetting flip	8	14	15	15	14	11	387.0		
4	1.25 Double 4-point Tic-toc	9	15	15	13	15	10	344.0		
5	1.29 Pirouetting tic-toc	10	14	13	11	13	10	370.0		
6	1.26 Pirouetting funnel	9	13	14	12	14	12	351.0		
7	8.6 Tic-toc loop with half pirouette	9	14	13	14	14	10	369.0		
8	1.16 Funnel	7.5	15	15	16	15	13	337.5		
TOTAL:								2831.0		



And Freestyle after dinner.

2013 FAI World Championships for Model Helicopters							
F3N POLAND - Włocławek 19. - 28.07. 2013							
N18 CAMPION Neol		IRL		Preliminary		Freestyle	
		Judge:	1	2	3	4	5
1	Difficulty		68	45	38	50	68
2	Harmony		14	10	10	12	16
3	Creativity		14	10	11	11	15
4	Precision		15	12	10	12	15
5	Safe presentation		20	20	20	20	20
TOTAL:							334
N20 RYAN George		IRL		Preliminary		Freestyle	
		Judge:	1	2	3	4	5
1	Difficulty		42	40	26	28	60
2	Harmony		12	12	11	14	14
3	Creativity		11	10	10	8	12
4	Precision		12	12	12	12	15
5	Safe presentation		20	20	20	20	20
TOTAL:							275
N19 KENNEDY Barry		IRL		Preliminary		Freestyle	
		Judge:	1	2	3	4	5
1	Difficulty		63	45	44	61	70
2	Harmony		14	14	12	13	16
3	Creativity		13	11	12	12	17
4	Precision		14	10	11	13	16
5	Safe presentation		20	20	20	20	20
TOTAL:							345

## DAY 6

This was the second day of competition with another round of set manoeuvres in the morning.

2013 FAI World Championships for Model Helicopters										
F3N POLAND - Wrocław 19 - 28.07.2013										
N18 CAMPION Neal		IRL		2. Set Manoeuvre						
		Judge		1	2	3	4	5		
No.	Manoeuvre	K								
1	1.27 Funnel with half rolls	8.8	10	11	11	12	10	304.0		
2	1.29 Double 4-point Top-loc	9	10	13	13	13	10	324.0		
4	1.28 Powerflying funnel	9	13	15	13	13	12	351.0		
4	1.29 Powerflying helico	10	12	9	13	9	10	345.0		
4	8.83 Profuneral reversal	10	8	13	10	11	10	310.0		
4	1.29 Square of rainbows	8.8	12	14	13	13	12	361.0		
7	1.24 Diamond (Bavarian rhomb)	8.8	13	14	10	10	12	297.0		
8	8.89 Top-loc loop with half procelate	9	8	12	10	9	10	291.0		
TOTAL:				2548.5						
N20 RYAN George		IRL		2. Set Manoeuvre						
		Judge		1	2	3	4	5		
No.	Manoeuvre	K								
1	1.14 4-point roll backwards	8.8	10	14	17	16	13	298.0		
2	1.17 4 rainbows with half rolls	7.8	10	10	14	17	14	245.0		
3	1.20 Triple powerflying flip	9	12	11	10	13	10	288.0		
4	1.28 Double 4-point Top-loc	9	11	13	9	10	10	279.0		
4	1.21 Cuban eight backwards	9	9	12	11	14	7	236.0		
8	1.24 Diamond (Bavarian rhomb)	8.8	12	12	10	12	7	286.0		
7	1.18 Funnel	7.8	12	12	11	13	10	282.0		
8	1.29 Square of rainbows	8.8	13	14	11	13	8	331.0		
TOTAL:				2370.0						
N19 KENNEDY Barry		IRL		2. Set Manoeuvre						
		Judge		1	2	3	4	5		
No.	Manoeuvre	K								
1	1.28 Square of rainbows	8.8	14	13	13	13	10	370.0		
2	1.24 Diamond (Bavarian rhomb)	8.8	10	13	13	13	12	331.0		
3	1.20 Triple powerflying flip	9	16	14	14	12	10	320.0		
4	1.28 Double 4-point Top-loc	9	14	13	13	13	10	351.0		
4	1.29 Powerflying helico	10	12	12	11	11	10	340.0		
4	1.28 Powerflying funnel	9	13	14	14	12	12	351.0		
7	8.89 Top-loc loop with half procelate	9	14	14	13	13	12	360.0		
8	1.18 Funnel	7.8	15	14	17	14	13	322.0		
TOTAL:				2746.5						

And Freestyle music in the afternoon

2013 FAI World Championships for Model Helicopters										
F3N POLAND - Wroclawek 19 - 28.07.2013										
N18 CAMPION Neal		IRL		Preliminary					Musik	
		Judge		1	2	3	4	5		
1	Difficulty			28	18	24	19	30	71	
2	Harmony			29	22	24	24	32	77	
3	Creativity			22	14	22	25	29	69	
4	Precision			13	12	13	13	16	59	
5	Safe presentation			20	20	20	20	20	60	
TOTAL:				316						
N20 RYAN George		IRL		Preliminary					Musik	
		Judge		1	2	3	4	5		
1	Difficulty			21	16	18	12	16	50	
2	Harmony			24	18	18	23	25	65	
3	Creativity			20	15	19	20	17	50	
4	Precision			11	13	12	12	16	37	
5	Safe presentation			20	20	20	20	20	60	
TOTAL:				288						
N19 KENNEDY Barry		IRL		Preliminary					Musik	
		Judge		1	2	3	4	5		
1	Difficulty			32	24	22	20	22	68	
2	Harmony			30	22	18	18	28	68	
3	Creativity			28	20	18	23	26	69	
4	Precision			14	14	12	13	16	41	
5	Safe presentation			20	20	20	20	20	60	
TOTAL:				306						

So this was the end of the preliminary flights and none of us made it into the top 10.



## DAY 7



Day off from competition

## DAY 8

First two flights of the final today.

## DAY 9

Final two flights today and closing ceremony.

Banquet held later in the evening,



## DAY 10

Pack up helis check out of hotel drive back to Warsaw fly to Cork drive home.

## OFFICIAL RESULTS

### INDIVIDUAL

2013 FAI World Championships for Model Helicopters  
F3N POLAND - Wroclaw 18. - 28.07.2013



#### INDIVIDUAL RESULTS

Place	Pl. No.	Competitor	Country	PRELIMINARY ROUND				TOTAL	FLY OFF				TOTAL
				Round 1	Round 2	Round 3	Round 4		Round 1	Round 2	Round 3	Round 4	
1	1014	WEBER Eric	GER	4337.0	1000.0	448.0	1000.0	4249.0	1000.0	447.0	1000.0	3690.0	3690.0
2	N01	PESCANTE Luca	ITA	3840.0	888.0	429.0	842.0	3000.0	840.0	407.0	910.0	2741.0	2741.0
3	N24	XO Huan Chen	TPE	3054.0	891.0	412.0	917.0	3066.0	721.0	421.0	881.0	2786.0	2786.0
4	N10	OSCARIAN Duvion	GER	2857.0	862.0	412.0	917.0	3066.0	866.0	394.0	881.0	2654.0	2654.0
5	N15	MOTT Stuart	GBR	3040.0	865.0	388.0	854.0	2666.0	888.0	0.0	8.0	2066.0	2066.0
6	N26	JAEHONG Lee	KOR	3060.0	852.0	369.0	858.0	3749.0	852.0	352.0	868.0	3627.0	3627.0
7	N10	RAU David	GER	3022.0	850.0	414.0	822.0	3718.0	888.0	388.0	880.0	2760.0	2760.0
8	N10	BOURKOT David	FRA	3300.0	866.0	409.0	897.0	3912.0	841.0	0.0	0.0	2089.0	2089.0
9	N09	DOMINGOS Cyril	FRA	3060.0	864.0	411.0	915.0	3786.0	890.0	393.0	794.0	2761.0	2761.0
10	N21	KUELLBERG Frederik	HRV	3350.0	814.0	392.0	872.0	3448.0	817.0	355.0	740.0	2468.0	2468.0
11	N16	HENNING Thor	GBR	3340.0	821.0	370.0	847.0	3477.0	836.0	321.0	716.0	2463.0	2463.0
12	N03	JENSEN Kim	DEN	3350.0	801.0	0.0	0.0	3440.0	830.0	373.0	0.0	2440.0	2440.0
13	N25	SANTONI Giacomo	ITA	3340.0	744.0	302.0	826.0	3274.0	781.0	354.0	838.0	2437.0	2437.0
14	N04	HANSEN Jakob Grimm	DEN	3200.0	782.0	370.0	834.0	3376.0	744.0	377.0	731.0	2491.0	2491.0
15	N25	YOUNGROCK Jim	KOR	3107.0	728.0	0.0	0.0	3407.0	850.0	857.0	821.0	2453.0	2453.0
16	N07	BAJZOS Tamas	FRA	3100.0	720.0	373.0	836.0	3175.0	745.0	324.0	730.0	2311.0	2311.0
17	N15	SMITH Stuart	GBR	3100.0	706.0	373.0	830.0	3000.0	847.0	0.0	0.0	2247.0	2247.0
18	N02	ZUPANC Henrik	AUT	3330.0	741.0	300.0	840.0	3471.0	802.0	300.0	811.0	2260.0	2260.0
19	N32	TEHDVALL Daniel	GBR	3077.0	736.0	300.0	782.0	3211.0	795.0	304.0	840.0	2275.0	2275.0
20	N08	JENSEN Kees	DEN	2707.0	663.0	348.0	778.0	3811.0	830.0	327.0	731.0	2190.0	2190.0
21	N16	CAMPION Paul	IRL	2850.0	714.0	340.0	743.0	3645.0	690.0	270.0	760.0	2162.0	2162.0
22	N16	KOZINSKY Barry	IRL	2871.0	690.0	340.0	788.0	3749.0	640.0	300.0	864.0	2145.0	2145.0
23	N09	JAKOBSEN Rasmus	DEN	2007.0	611.0	301.0	737.0	2655.0	626.0	310.0	660.0	2006.0	2006.0
24	N01	SCHMUCK Wolfgang	AUT	2215.0	640.0	337.0	736.0	2522.0	590.0	254.0	620.0	1991.0	1991.0
25	N22	ORAZZINI Matteo	ITA	3191.0	663.0	0.0	0.0	2647.0	620.0	300.0	791.0	1940.0	1940.0
26	N17	ROGL Marcel	GBR	2650.0	641.0	270.0	821.0	2710.0	636.0	280.0	590.0	1901.0	1901.0
27	N26	TRZASKA Leszek	NGO	2641.0	641.0	291.0	841.0	2472.0	592.0	292.0	590.0	1880.0	1880.0
28	N25	TRZASKA Leszek	POL	1071.0	456.0	322.0	720.0	2550.0	490.0	352.0	620.0	1848.0	1848.0
29	N20	ZAROWSKI Maciej	POL	2250.0	540.0	266.0	820.0	2776.0	531.0	280.0	570.0	1794.0	1794.0
30	N26	FRANCHUK Dmitry	UKR	1735.0	428.0	201.0	540.0	2000.0	511.0	240.0	691.0	1781.0	1781.0
31	N20	RYAN George	IRL	1000.0	470.0	275.0	610.0	2350.0	627.0	260.0	660.0	1707.0	1707.0
32	N10	ERIKSSON Mikael	GBR	2007.0	409.0	207.0	641.0	2260.0	476.0	250.0	591.0	1721.0	1721.0
33	N20	PAULS Michael	POL	1740.0	330.0	0.0	0.0	1980.0	407.0	270.0	610.0	1680.0	1680.0
34	N27	LARSEN Martin	NOR										

Sport Director  
Mark DOMENAK

F3N Jury Chairman  
Greg ECKHOFF

F3N Jury Members

Marlene EITZMAYER

Herman HAGEN

*Greg Eckhoff*  
*Marlene Eitzmayer*  
*Herman Hagen*

POLAND - Wroclaw, 27.08.2013

## TEAM

### 2013 FAI World Championships for Model Helicopters F3N POLAND - Włocławek 19. - 28.07. 2013



#### TEAM RESULTS

Place	Team	Comp. No.	Place	Comp. No.	Place	Comp. No.	Place	Total
1	GERMANY	N14	1	N15	7	N16	11	19
2	GREAT BRITAIN	N11	5	N12	4	N13	17	26
3	FRANCE	N07	16	N09	9	N10	8	33
4	ITALY	N21	2	N22	25	N23	13	40
5	DENMARK	N03	12	N04	14	N05	20	46
6	SWEDEN	N31	10	N32	19	N33	32	61
7	IRELAND	N18	21	N19	22	N20	31	74
8	POLAND	N28	28	N29	33	N30	29	90
9	KOREA	N24	6	N25	15			21
10	AUSTRIA	N01	24	N02	18			42
11	CHINESE TAIPEI	N34	3					3
12	NETHERLANDS	N26	27					27
13	UKRAINE	N35	30					30
14	NORWAY	N27	34					34

Sport Director

Marek DOMINIAK

FAI Jury Chairman

Dag ECKHOFF

FAI Jury Members

Manfred DITTMAYER

POLAND - Włocławek 27.08.2007

Horace HAGEN

This was a great experience and I would highly recommend it to anyone.

**George Ryan**

Helicopter Secretary



# 2013 Contest Calendar

For Up-To-Date details visit  
**[www.maci.ie](http://www.maci.ie)**



## Scale

### **Please note**

*All Scale Championships, except the Scale Nationals, will be held on a Saturday. In the event of a large number of competitors or bad weather on the Saturday, then the Sunday will be utilised. Please check with the contact below, or visit the MACI web-site, on the Friday that the competition is going ahead.*

April 13	Scale Fly-In <i>Paul Fetherstonhaugh 087 1331736</i>	Laois MAC
May 25	Scale Fly-In <i>Paul Fetherstonhaugh 087 1331736</i>	Laois MAC
June 8	Scale Fly-In <i>Andy Ryan rinomodels@gmail.com</i>	Model County MFC
June 21-22	Leinster Scale Championships <i>Paul Fetherstonhaugh 087 1331736 scale@maci.ie</i>	Laois MAC
July 5-6	East Coast Scale Champs <i>Liam Jackson 087 2562293</i>	Roundwood
July 26-27	Midland Scale Championships <i>Declan Henegan 087 2625868</i>	Midland MFC
August 10	Scale Fly-In <i>Paul Fetherstonhaugh 087 1331736 scale@maci.ie</i>	Laois MAC
August 23-24	Scale Nationals	TBA
September 14	Scale Fly In <i>Declan Henegan 087 2625868 declan.h@unison.ie</i>	Midland MFC

## IMAC

April 27

IMAC training day                      Midland MFC  
*Brian Foran 086 2578228 brianforan777@gmail.com*  
*Pilot briefing 9:30 am sharp*

**F3A**

May 10-11

North Munster Champs Carron Co. Tipperary  
Gordon James 0868269840 gordonjames03@gmail.com

June 7-8

Munster Champs                      Brinny, Cork  
*Noel Barrett 0872237330 nbarrett@indigo.ie*

June 21-22

South Leinster Champs      Model County MFC  
*Brian Carolan 087 6509848 brianccarolan13@gmail.com*

July 10-19

F3A European Champs Bendorf, Liechtenstein  
*Gunther Matt 004232325531 ec-f3a-2014@mfgl.li*

Aug 2-4

Aerobic Nationals/Team Trials Rd. 1 Carron, Cork  
Gordon James 0868269840 gordonjames03@gmail.com

Aug 16-17

Back up date	TBA
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Aug 30-31

Leinster Championships    Model County MFC  
*Brian Carolan 087 6509848 brianccarolan13@gmail.com*

Sept. 13-14

Triple Crown      Hurley, England

September 27-28

Autumn Aerobic Champs/Team Trial, Leg 2  
Brinny, Cork  
*Noel Barrett 0872237330 nbarrett@indigo.ie*

Oct. 4-5

Back up date for Team Trials      TBA

## **Helicopter**

April 13	F3N Championships <i>George Ryan 087-6455951</i>	Waterford <i>helicopter@maci.ie</i>
May 11	F3N Championships <i>George Ryan 087-6455951</i>	MidlandsMFC <i>helicopter@maci.ie</i>
June 8	F3N Championships <i>George Ryan 087-6455951</i>	Shankill MFC <i>helicopter@maci.ie</i>
June 27-30	3D Heli Competition <i>George Ryan 087-6455951</i>	TBA <i>helicopter@maci.ie</i>
August 16-187	Heli Nationals <i>George Ryan 087-6455951</i>	Carron Tipperary <i>helicopter@maci.ie</i>

## **Gliding**

March 8-9	PSS Over Ireland <i>Fred Marie fred@gliderireland.net</i>	Mt. Leinster, Wexford
April 12-13	Slope Fest & BBQ <i>Fred Marie fred@gliderireland.net</i>	Mt. Leinster, Wexford
May 3	Cork Glide-In <i>Fred Marie fred@gliderireland.net</i>	TBA
May 24-26	Glide-In <i>Chris Van Schoor 087-9297071</i>	Kerry <i>crasherchris@gmail.com</i>
June 14	Glide-In <i>Fred Marie fred@gliderireland.net</i>	Tountinna, Ballina, Co. Tipperary
July 12-13	Scale Glider Contest/Aerotow <i>Fred Marie fred@gliderireland.net</i>	TBA
September 27-28	ISR Glide-In & BBQ <i>Fred Marie fred@gliderireland.net</i>	Mt. Leinster, Wexford





*Donals Jumper 25 Hype 3D Midland MFC Fun-Fly 2013*



*Another shot from the Midland MFC Fun-Fly 2013*



*The Pits Area at Roundwood*