

**Impington Model Aeroplane Club**  
 Founded in 1946 by Ray Malmström

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Website <https://ivcmac.bmfa.uk>

## Outdoor Flying at Impington

We resumed on a wet and windy Friday 3<sup>rd</sup> July – typical. A few hardy souls gathered to fly Control Line and mini drones.



The trees provided some shelter from the wind and occasional rain. Let's hope for better weather for the rest of the summer!



Steve with "Mini Slow". It was anything but slow – Ed.

Control Liners seem to cope with the wind very well – no FF flyers dared to brave the inclement elements!!



John prays before flying his Tempest. This model is powered by the Stalker 66 – an 11.5cc Ukrainian engine and flies very nicely.

## Peter Hoskison

We were all very sad to hear of the passing of a long time servant of the club who held many positions and was past President. He held the club together for a long time doing the work of many people.

A further tribute will be published later, however on 10<sup>th</sup> July at Impington Tony Welch flew 2 of Peters old control line models –



Tony with Peters KK Skystreak 26 with an Elfin 1.49cc on the left, and the Skyleada Hornet "A" class team racer with an ED Racer 2.49cc.

Tony bought a selection of Peters nicely built models a while ago and looks after them in Peters absence. They all get an airing from time to time!

## Felix flies at Girton



Felix with Dad Ed pictured at Girton after his first few flights with the "Sky King". This is a great little RC trainer that's as tough as old boots and a really good introduction to RC.

A socially distant instructor looks on!! Felix had to do all his flights completely "solo" with the odd shout of encouragement thrown in and was getting on very well.

## Grant application success

I had spotted in the Cambridge News that the councils Community Reach Fund team were looking to award small grants for projects that benefit communities – particularly children, young people and their families.

IVCMAC has a strong track record of supporting young people, so with hope in my heart I applied!! Within a few weeks I heard that we had been successful and were awarded the full amount we had asked for - £588.

We have spent just over half of this as follows, but any ideas from members are welcome –

A pretty indestructible RC trainer with everything needed to fly and support it. This is for juniors training and solo use - £192

15 rubber powered FF "Tradfly" kits for juniors to build and fly - £120



The Hobbyking AXN Floater and radio we have bought.



15 Tradfly rubber powered kits to give to club juniors to encourage them to have a go at indoor and outdoor free flight.

If anyone is interested in helping with this project please let me know.

## Ely fly in 12<sup>th</sup> and 13<sup>th</sup> Sept

Club member Richard Holland is organising a 2 day 'Fly-In' weekend at a flying site at Aldreth Fen (Haddenham) near Ely. RC and CL catered for and there will be some limited and basic camping available. Full details on the Events Calendar on our new website. Contact Richard at [richardholland@msn.com](mailto:richardholland@msn.com)

## Sales and Wants

If you have anything to sell, or a particular "Want", let me know and we can publicise it here.

**For Sale** - Spektrum DX6i transmitter. Can add plane (options discussable) at reasonable price, if wanted, for a working setup. £30 for transmitter only.

David Stopher on 07952132684

## Lightning Silencer Trials

Bob Piggott remembers tales from his National Service in the RAF.....

Like many, my pattern of activities has changed considerably as a result of 'lockdown'. So far I have had to cancel 4 caravan outings and I had to make do with a 'hot' takeaway curry to celebrate my 87th birthday. This however has given me an opportunity to catch up on many neglected house maintenance jobs and attend to my veg plot properly.

There has of course been a bit of time for mag reading, some of which included past issues having articles I wished to re-read. One in particular was in the last issue of RCFlyer (by Peter Miller) regarding aircraft noise complaints. This goes back to the Lightning jet era when villagers of Bildeston in Suffolk were subjected to the noise from ground run engines.



In an effort to reduce the noise the RAF installed a silencer into which the jet exhaust was directed. This silencer consisted of an acoustic clad tunnel which had an upward bend part way along it at which point turning vanes were installed to help deflect the noise and gases upwards. Sadly the vanes eventually came adrift and were sent flying skywards and this is where myself and a colleague became involved to help establish the behaviour of the vanes in such a hostile environment.

This was an unusual project for me, because much of my career as an engineer had been involved in structural integrity, some of which involved fatigue life assessment of welded structures such as bridges, off-shore structures, television masts, road and rail vehicles, food and drug making machinery, coal mining equipment, cranes and diggers and similar products.

This exercise involved the installation of several strain gauges at various locations on the vanes which could withstand high temperature gases at high gas flow rates. These were connected to instrumentation which would record the sensors outputs. These sensors withstood the gas blast, but sadly the instrumentation failed to capture the whole loading history due to the high frequencies encountered. Further investigation concluded it was high cycle fatigue of the vane end fixing which had not been initially anticipated, so our efforts were not in vane after all.

Many times during my RAF national service I had stood observing the instruments in the cockpit of a Meteor 8 whilst engines were run up to full power but this was nothing like the roar of a Lightning.

## Veron Hurricane



Mark Saunders reports - This was an impulse ebay purchase during lockdown. The kit is clearly ancient (although the Vintage Model Company is remanufacturing some, I think this is an original). You'd need to do some dendrology on the balsa to date it properly.

It is too cute to actually build. I'll just copy the plan and scratch build. I think the rubber band supplied must be for the vertical take off version.

We look forward to seeing that fly Mark - Ed.

## Indoor Flying at Impington

We still haven't made any hard and fast decisions about indoor flying from September.

Please let Secretary John Copsey have your views!!

## Girton



This is a great facility – check out the details on our website. There are more people wandering about and walking dogs at the moment. The best times are before 5pm on weekdays and (from Autumn) after 5pm at weekends when sports matches start up.

Unless you are very confident, it's probably best to have someone there with you to warn about the general public getting close to landing areas etc!!



John is pictured with his newly completed KA-10 control line aerobatic plane powered by a Super Tigre 49 glow motor.

John was confidently flying the F2B aerobatic schedule at Girton in early July and getting the model trimmed out. The outer wing was flying a little high, so John has added another 1/2 oz of tip weight,

## Gordons Crusader

The uncovered Crusader was pictured in the last newsletter. Gordon sent an update.

I thought you might like a couple of pictures I have of my Chance Vought Crusader now that it is finished.



As I think I mentioned earlier it has been made by reducing Ivan Taylor's Aeromodeller plan to 80% so that my 28mm ducted fan would fit. This has been very successful and the initial flights when unpainted only required a bit of downthrust by putting a vane across the rear of the outlet tube.

Since then I have given it more flights after painting but before adding all the lettering etc. Again very successful - even forgiving me for a poor launch when it set off very realistically as if taking off from an aircraft carrier - in a bit of a wallow before picking up speed then climbing to about 200 feet before the full power reduced to cruise on the KP flight control gismo.



I hope all this isn't tempting providence as it has yet to have an outing with full decoration. All the flights have taken place on Newmarket heath - it needs lots of space! The quality of build and finish will not stand up to close scrutiny.

These days I build for fun rather than for perfection. The decorative detail is based on the Profile Publication coloured 3 view. When doing this all sorts of discrepancies turned up between the model plan and the Profile 3 view. Consequently quite a lot of compromises had to be made - but not to worry, I never intended it to be a competition entry. I don't know which plan is more accurate, and am not really concerned. It has been great fun to build and fly.

Many thanks to Richard Staines for putting me in such with the outfit at Spalding who produced the USAF insignia. As there was a minimum order I got them to produce a selection of sizes, so if anyone requires these I have a selection. I guess the only 'public' outing will be at Old Warden, whenever that is.

## Peterborough Postal Comp

As you know PMFC were forced to cancel their Flying Aces Meeting in Sep. By popular request the PMFC Committee is supporting an alternative Postal Competition over the period Friday 4th Sep to Saturday 12th Sep. Fairly informal, the details are on their website [here](#)

It would be good if we could post some times from the final club meeting on 4<sup>th</sup> Sept as the summer season draws to a close.

## Brians Beautiful Twin



Brian Turners hand crafted twin cylinder engine reported last month is now fitted to one of his Skytoanes.



Brians Skytoane

## What's this then?



Answer at the end of the newsletter.....

## Caption Competition



2 men stand in a shady wood at IVC looking at video feeds..... If you look closely, you will see Trevors quad between him and John.

## New Club Website

This has been created using a BMFA "free" template which means we no longer have to pay any regular hosting fees and will save about £150 per year.

It's at <https://ivcmac.bmfa.uk> and the old address will direct you here for a while, but best to bookmark the new site. If you have any ideas for improvements, please let me know.

The calendar section is very good and will be kept up to date with all events. Also, the gallery is worth a look as it has a huge selection of club photos. If you have any to add, let me have them.

Keep an eye on the news section for any club updates etc.

All club documents including the revised rules for RC at Impington are on the website.

## Bernards Cessna CR-3 Racer



Spotted flying free and thermalling at Girton, Bernard has created a lovely model of a unique and very rare aircraft – the Cessna CR-3 air racer. As you know Bernard is giving away many of his models as he can't find a box big enough to take them all home to Canada.

## Answer to What's this then?

It's a "Little Boy" atomic bomb. "Little Boy" was the codename for the type of atomic

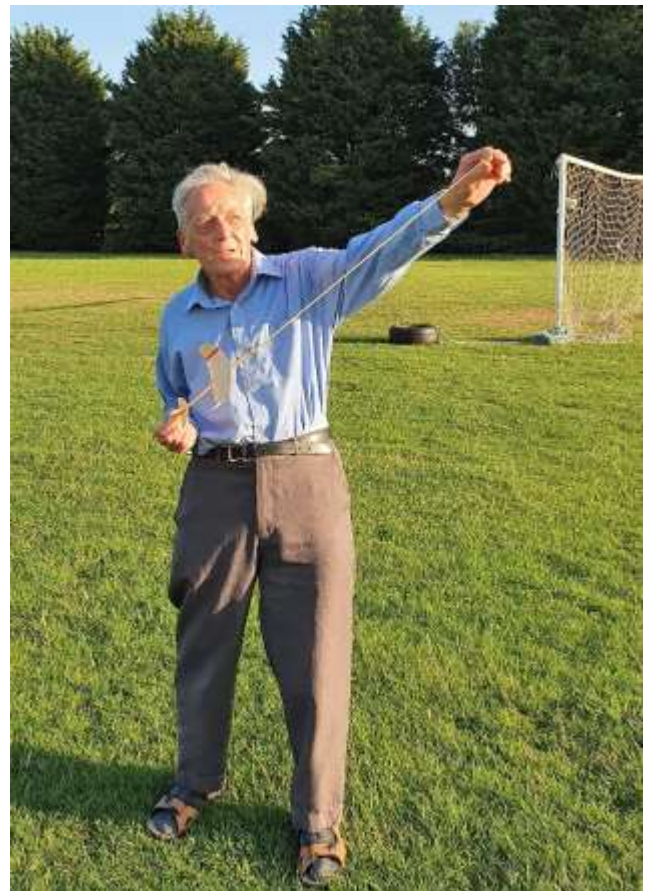
bomb dropped on the Japanese city of Hiroshima on 6 August 1945 during World War II. It was the first nuclear weapon used in warfare.

The bomb was dropped by the Boeing B-29 Superfortress Enola Gay piloted by Colonel Paul W. Tibbets, Jr, commander of the 509th Composite Group of the United States Army Air Forces and Captain Robert A. Lewis.

## Impington Friday snippets



The "Captain" holds forth....



Bruce stretches.....

Happy flying everyone!!

## High productivity during lockdown.....



Clive was very busy during lockdown and built 15 glorious scale models. I don't think he has flown them all yet and he admitted to damaging 3 whilst assembling them for the photo shoot!!

Let's hope we see some of them on the sports field at IVC or in the Sports Hall this autumn.

Now the true test of an aeromodeller – can you name all the models?