



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

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*(Background image: A detailed technical drawing of an aircraft fuselage with various parts labeled with numbers and letters, such as 'SHEET COVERING TO CHOSE', 'SERAP SHEET FULL IN', 'CEMENT LIBERALLY', '3" D STRINGER', 'TAILPLANE', 'TIP FINS CLUE TO END SIDE OF TAILPLANE', 'SHARPER MATCHSTICK PRESS IN & GLUE', 'SOFT WIRE SAID PRESS IN & GLUE WELL', 'W.C.P.P.', and 'The C'. Instructions include: 'LEAVE UNCOVERED. ADJUST TUNER WITH LONG NOSED PLIERS. INSTEAD OF USING A TUNER YOU MAY GRADUATE THE FUEL TANK. A FULL TANK RUNS THE MOTOR FOR APPROX. 12 MINUTES.')*

## Back to the 1930's



Gordons Puss Moth rests on its laurels.



The moment of truth!! This pic was shot with an Android phone on burst mode which takes 100 photos in a 2 second burst and then allows you to pick the one you want. Very useful for action type photos.

## The original Skunk Works

The Skunk Works was a Lockheed special department originally called "Lockheed Advanced Development Projects". They worked in a secretive and semi autonomous way on many aircraft types.

John Clarke found a good video of a presentation about the Skunk Works and although quite long, it's worth a look. [Video here.](#)

## Droning on.....



Malcolms new DJI FPV Drone at Grantchester Meadows.



This is an amazing new bit of DJI technology which merges the original DJI drone characteristics of GPS precision and stability with the acrobatic capability of high performance FPV acro quads.

It delivers an 820p HD image to the goggles and records in a stabilised 1080p mode.

The view from the new DJI goggles and drone is a bit better than the already excellent HD view from the original v1 goggles and DJI Air Units.



## Spot the difference!



These are both "Bruce's Bostonians" as modelled by Clive Anderson. The one on the right has just had its wing moved slightly back to improve the flying as initially tried by Bruce. Clive thought it looked a bit odd so modified the canopy on the one on the left to incorporate the wing mod. Flew well as usual.



One of the modified Bostonians climbs away



In the foreground is Clive's Comper Swift. It's a model of a replica that was built by a chap called John Greenland who was an airline pilot and made all the metal fittings over a period of time during his overseas trips. He would take one suitcase with his clothes in and one with all his tools and would make parts while staying in his hotel. When all the parts were made he assembled and flew the completed plane!!

## Mini Radian



Chris has obviously crossed to the "dark side" and enjoys flying his mini Radian. It's a great little model that flies really well on a 200mAh 1S battery with flight times up to 10 minutes.

## New members



James with his Dancing Wings Eagle (from Banggood £50). It looks very realistic and flies well. The other model is the MicroAces "Scrappee" which is a trainer version of their excellent scale kits.



Marcus with his Easy Star after a maiden flight at IVC. Don't be jealous but he bought this immaculate model from eBay for £52.....!!



## Birthday Bash – 17<sup>th</sup> July

This will be on Saturday 17<sup>th</sup> July on the field at Impington to celebrate the clubs founding 75 years ago in 1946 by Ray Malmstrom. It's an all day flying and social event similar to the Friday evening sessions. Free for all members and family.



We missed the bash last year so let's hope for good weather and another great BBQ from Steve

## Richards Valkyrie



This is Richard Staines North American XB-70 Valkyrie seen flying at Impington. Built about 15 years ago it flew really well.

It's an all sheet construction from a 1970's APS plan originally for a FF model powered by a TD 0.49. This is an electric conversion for RC with elevon and throttle control and a mix to counteract motor torque.

The original was designed in the 1950's as a mach 3 bomber to fly at 70,000ft but never went into production. 2 were flown on a test programme in the 1960's – one crashed and the other is in the USAF museum in Dayton.

## Waco whacking? Almost...



Mark Saunders poses in front of his Waco glider and his little Bambina. The story behind this is that we were flying at Girton and I landed my Easy Star which came to rest as shown in the photo.....!!

An on board video from the Easy Star [here](#) shows Mark diving to protect his fragile Waco as the easy Star lands on the slippery grass.

## Depron Mig 29



This is Paul Burlings scratch built Mig 29. Built using Depron it's a modified Tomas Hellberg design from 2010 and is an easy build 3D puzzle using interlocking parts all cut from Depron sheet and bonded using UHU Por.

The motor is a Grayson GH 2216 06 and it flies extremely well on a 3 Cell 2200mAh battery.

With that prop in a slot towards the back of the fuselage it's very noisy at full chat, but has a wide speed range and can also fly quite slowly.



## Addenbrookes helipad

You probably read about the USAF Osprey that dislodged the helipad at Addenbrookes a couple of months ago – [full story here](#).

This reminded the editor of an incident in the Falklands in 1982 when flying an Army Scout helicopter from improvised landing pads laid by Gurkha engineers. After operating successfully for weeks, one decided to part company with the ground severing the tail rotor and removing all yaw control when taking off at max AUV – ulp. Luckily the resultant crash was relatively gentle and all on board survived to tell the tale



Posing by the evidence.....

## It's an Ace!



Stuart with his 30" span KK Ace built from a plan. It flew nicely at IVC but is really suited to a bigger field and will fly at the Flying Aces and SAM 35 competitions during the year.

## Crashes of the month?



Eddie's Kestrel after an unscheduled arrival. Powered by a 15cc Stalker engine. John Copsey is going to rebuild it.



Alans Artizan after the canopy fell off during negative G, closely followed by the battery. Due to the wonder of UHU Por glue, this was flying again 2 days later!!

## Phils Optica



Responding to the challenge, this is Phil Haines Optica scratch built from foam and powered by a Rapier jet motor. At time of writing it's had some test glides in the garden, but the blue touchpaper hasn't been lit!!

Well done Phil. Can't wait to see that flying!!



## Martyn Smith



Martyn sadly died rather suddenly on 26<sup>th</sup> May after a short battle with cancer. He was a long standing member at IVCMAC and was very much the "go to" person if you wanted to know about anybody or anything in Cambridge. His local knowledge was legendary.

He also had that rare modelling accessory – a wife who bought him most of his models! He often said to us that he only had to hint at any potential new acquisition and lo and behold a few days later it would miraculously appear in his house. His hangar seemed to grow bigger on a regular basis.

It would be fair to say that he enjoyed tinkering with models and their electronics more than flying them, but he came to almost all our indoor and outdoor gatherings, often with a new model or technical gizmo of some sort to try out. He was also a very kind person who was always willing to lend a helping hand to almost any endeavour.

Martyn was an accomplished engineer and worked for many years in the engineering department at Addenbrookes hospital. As well as being a member at IVCMAC, he was also a member of other model clubs including previously at Bottisham and more recently at Fulbourn.

We will all be very conscious of the absence of our friend Martyn.