

Impington Village College Model Aeroplane Club

Based near Cambridge we fly Free Flight, Radio Control and Control Line aircraft



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Website ivcmac.bmfa.uk

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Mercury Matador reborn

Stuart was flying his very colourful Matador at a recent Friday evening session where it coped well with a gusty wind.



Stuart built this Matador and has reported on it in several recent editions of Aeromodeller. It's covered in 16 micron Doculam and then lightweight tissue at 12g per sq m with EZ dope for the colourful finish. It's powered by a 28mm brushless motor and weighs 1½ lbs.

In the past Stuart has made many of these models at various scales with a range of motors from brushed and geared up to the current brushless set up.

Hotel Glocknerhof Austria

Jon Sole and family have just enjoyed a week at this RC themed hotel in Austria so have a chat with them if you want to find out what it was like.

During their stay amongst other planes, they were flying a Hobbyking Bushmule. Jon reports - it flew well but on its 4th flight something packed in and the plane was stuck in a knife edge and crashed. Of course no evidence of the cause once we'd recovered it!



Jons post-crash analysis - I boxed it all up and brought it back to the UK! The centre wing section aluminium wing spar is bent but I managed to extract it from the wing cleanly, so it looks fixable.

It was running a separate 5v 5a BEC to avoid a brown out issue, so it's still a mystery to me what went wrong. It was flying beautifully for the first few flights and then suddenly started playing up!! I'll replace the ESCs and the servos as a precaution.



Jacob pictured at the private flying site in Austria – there was a wide variety of planes to see ranging from expensive turbines to more typical club models.



A well manicured runway with all the facilities you could wish for at the Hotel Glocknerhof.

Impington from 2,000ft



Picture taken by Bryan Kenzie from the DH Rapide on a flight from Duxford.

The Rapides are over 80 years old but seem to keep going. Bryan must have been feeling particularly brave because the only plane crash he has ever witnessed was another DH Rapide many years ago.

What's this strange plane?



What is this streamlined DeHavilland aircraft which had a name now in common usage? Might make a nice model. Answer at the end.

Another of Rays designs



Chris Caruana pictured with his Gee Bee CL Trainer designed by Ray Malmstrom. It's powered by a PAW 0.75 purple head diesel and was awaiting test flights when this picture was taken.

Chris built it from a kit and was planning to fly on 35ft lines before Phil Haines mentioned that he had one years ago and it needed much shorter lines as it was so heavy!! It is certainly a chunky aircraft – rather akin to a brick on a string.

KK Piper Family Cruiser



Another one of John Broads kits that were sold to raise funds for club juniors has been built – this time by Chris Caruana. Nice little model.

Cottenham flying site

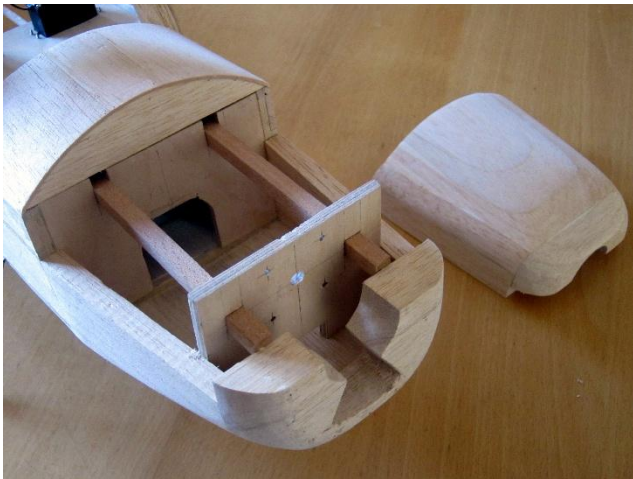
This is a great site especially during the working week, but please be careful not to fly behind the hedge and near the school. [Details](#)

Progress on the Aeronca

Gordon Hannah and Paul Burling report - construction of this model has gone forward, but not without quite a bit of head scratching.



This photo shows the fuselage more or less complete. The motor compartment needed substantial redesign to accommodate the electric motor and provide access for the batteries and speed controller.



This photograph shows how this was achieved.

Other parts of the fuselage alterations included an access hatch to get to the servos and also considerable strengthening at the rear end where a very unsatisfactory mounting of the tailplane had to be altered.

The wings are pretty straightforward. But the trailing edge consisted of two wide strips of 1/16 balsa which could be substantially strengthened by the addition of a 1/16 web between the ribs thereby forming a triangular box – at very little increase in weight,

The wing mounting needed a re-think, as it was designed to be 'knock offable' with very short stub dowels keyed into the fuselage tubes. Solution – longer dowels!



At the back end the original has a high mounted tailplane with a rather flimsy design for the kit model. We have beefed this up at the expense of some scale fidelity. Obviously quite some alterations were necessary to incorporate fully moving rudder and elevator – not too difficult here.

Otherwise, the end is in sight. A few fiddly bits around the R/C fittings, making sure the wings etc are properly aligned, finishing the cabin area and covering and finishing. Wish us luck!

Editors note – the team were quoted £150 for covering materials at Inwoods – AAArgghhh.

Ray Malmstrom Cup

This is the annual competition for Control Line F2b Aerobatics and was held at Girton on Sunday 15th June.



Some lovely models took to the skies on a warm sunny day with just one enforced rain break!! John Copsey organised the event and his gazebo HQ is pictured in the distance!!

8 competitors flew in the main F2b competition and 3 in the Clubman class.

Thanks to John for organising and judging the clubman event, Roger Ladds for judging F2b and George Adam for helping with scoring.

Results F2b

1. Steve Smith
2. Mark Legg
3. Gary Church

Results Clubman

1. Mark Tilbury
2. Con Spinks
3. David Robinson

John reports in more detail – in F2b it was clear from the beginning that despite the strongish wind we were going to see some good scores posted, especially from the 3 pilots with electric models (Roy Cherry, Gary Church and Steve Smith).

Mark Legg was giving the others a chance by flying his Pete Tindal designed near scale DH Chipmunk (OS LA 0.46 power) instead of his usual mount, and by only managing 907 in the first round.

Excitement for the round was provided by Dick Stepney's engine, which having gone sick mid-flight left Dick circulating inverted for 12 minutes. Fortunately, he finally managed to land inverted without serious damage.

After a slightly soggy half hour break, round 3 got under way and the good news was that the wind had eased enough for some excellent flying. The main difference this time being that Gary decided to rest his electric Yatsenko GB and fly his 4 stroke model instead. This enabled Mark Legg to jump yet another place, helped by improving his score to the third highest of the day at 1,051 pipping Gary and therefore snaffling second place overall. Amazing stuff. In the end Steve Smith raised his score to enable him to claim a fine win.



Steve Smith receives the RM Cup from John

In F2b, Brian Turner came 4th and won the IVC Control Line cup as the highest placed IVCMAC member.

In Clubman we had 3 willing souls - all with varying experience. 3 guys doing their best to get to grips with the Class 2 schedule. Usually, with his previous F2b experience Con Spinks is the likely winner, but times they are a changing.

Club member David Robinson is steadily increasing the number of maneuverers in his armoury and his scores are going up to reflect this. Unfortunately, he got a little off the wind which was changing direction and lost line tension with his nicely built Diesel Ringmaster with inevitable results. Unabashed, David continued with a Diesel Peacemaker style model and got 130 points in round 2.



Mark Tilbury won the Clubman class

Kits needing new homes

The kits shown below are available for a small donation to club funds courtesy of Tim Coles – thanks Tim.



Please contact Tim at tim@pharminox-isolation.com to stake your claim!!

A tale of 2 wires



Eddie Sharps vintage 1950s Ringmaster model after an unfortunate early arrival at Impington.

Eddies Ringmaster was built from a Belair kit and has a full fuselage unlike most kits which were profile.

It was powered by a Merco 35 – originally with a red head but this was replaced by the current black head after the plug threads stripped.

After a few laps all was going very well till the up elevator line became disconnected from the leadout with the inevitable full down elevator being applied at low level and high speed.



He will rebuild it!!

Answer to What's this then?

It's a DH71 Tiger Moth – yes, you read that right it is a Tiger Moth, but not the one you know about.

It was a 1927 experimental racer of which only 2 were built with DH Gipsy engines. This is a replica that has recently arrived at Shuttleworth.

Old Transmitter wanted

A member is looking for an old transmitter that he can use for buddy box training. The only requirement is that it has a jack plug socket on the back that can be used to connect to a master transmitter.

If you have such a beast, please contact the editor.

Next few weeks calendar

Always check the website for changes!!

JUN 27 Fri	Outdoor Model Flying @ IVC Sports Field Jun 27 @ 6:00 pm – 9:30 pm
JUL 4 Fri	Outdoor Model Flying @ IVC Sports Field Jul 4 @ 6:00 pm – 9:30 pm
JUL 11 Fri	Outdoor Model Flying @ IVC Sports Field Jul 11 @ 6:00 pm – 9:30 pm
JUL 12 Sat	Girton fete @ Girton Rec Jul 12 @ 10:00 am – 5:00 pm
JUL 18 Fri	Outdoor Model Flying @ IVC Sports Field Jul 18 @ 6:00 pm – 9:30 pm
JUL 25 Fri	Outdoor Model Flying @ IVC Sports Field Jul 25 @ 6:00 pm – 9:30 pm
AUG 1 Fri	Outdoor Model Flying @ IVC Sports Field Aug 1 @ 6:00 pm – 9:30 pm
AUG 3 Sun	Annual Birthday Bash all day flying event @ IVC Sports Field Aug 3 @ 10:00 am – 5:00 pm
AUG 8 Fri	Outdoor Model Flying @ IVC Sports Field Aug 8 @ 6:00 pm – 9:30 pm

From the Eagle book of model aircraft - Sharp hard flicks!!

EAGLE BOOK OF MODEL AIRCRAFT

Rays advice on how to start your diesel engine

