

Impington Model Aeroplane Club
 Founded in 1946 by Ray Malmström

edited by Alan Paul
 alanpaul@outlook.com

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 www.impmac.co.uk

Club membership

£28 for a years membership must be the best value ever, giving access to 3 flying sites and some splendid indoor flying over the winter.

However, if you've forgotten to renew, please see Tony Harper ASAP or from the end of February you will cease to be a member of the Club. If you have not renewed your BMFA subscription you haven't been covered by the BMFA insurance since 1st January 2018. You are also no longer allowed to fly on official club sites and this will be the last newsletter you receive.

Lost and found?

The picture below shows Mick Sumpters Wot4 – read on for its interesting life history!!



Mick writes - I first met John Wynn during a house sale in September 2007 when he recognised the Wot4 hanging in the top of my barn. In 2004 I had built the fuselage from the 1980's plan and had a wing built in veneered foam. With an Enya 40 it flew very well but I left it there when I moved....

10 years later, in one of those strange coincidences, I joined IVCMAC and met John again at a Friday evening flying session at Impington. He told me that he had rescued the Wot4 and did I want it back?

The following Friday John handed it over. The covering had deteriorated but the airframe looked sound and over the winter I restored it and installed an OS Max 40. Steve Mynott and I flew it at Ramsey in January this year - it flew perfectly. Thanks John.

Small and intricate



Gordon Hannah holds his Cherokee built just before Christmas and test flown in January. If you can't see it look below for a bigger photo!!



Gordon got the plan from the SAM 35 magazine and this model is 1/3rd of the 1948 original size at about 9" span. It was flying exceptionally well with 2,000 turns of rubber, which is pretty brave considering it's made from 1/32nd balsa.

Gordon built it as an exercise for his dexterity and close up vision – well, it's clear that he can still do it!!

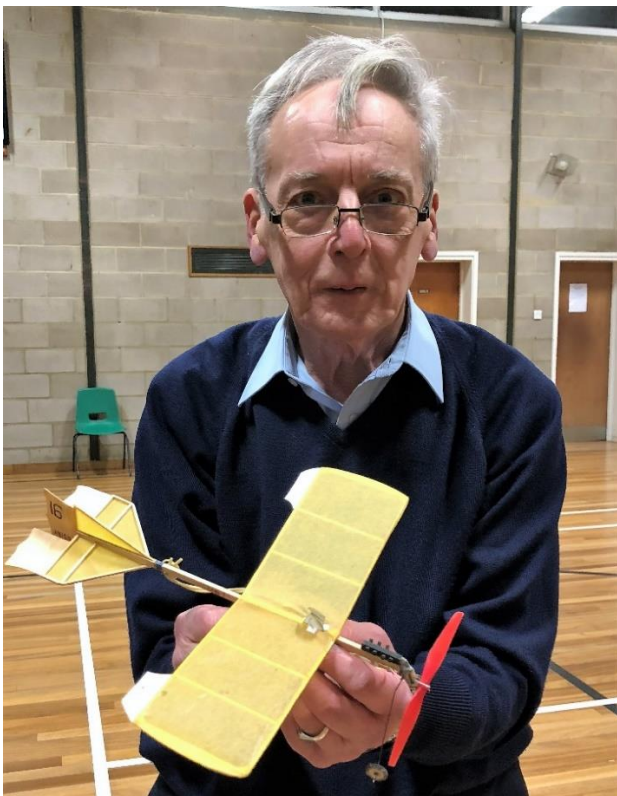
FF Precision Competition

This was the first indoor rubber competition of the year held on Thursday 8th February. Hugh Stevenson has now taken over running the indoor rubber competitions from Bruce Lindsay and enjoyed running his first competition. He was pleased that nine people entered and hoped that they enjoyed it.

The competition was for the nearest to 30 seconds with the best 3 flights out of 5 counting. The number of seconds over or below 30 seconds were added up for the 3 best flights to get the results

There were a few Gymminie Crickets and Tiddlers were also popular, but it was the Hanriot (another Ray Malmstrom design) of Bruce Lindsay that won by a very small margin. Special mention should be given to Trevor as it was his first competition - a name for the future perhaps if he makes the full transition to "the dark side".

1st	Bruce Lindsay	1 sec
2nd	Richard Staines	2 sec
2nd	Garry Flack	2 sec
2nd	Trevor Sexton	2 sec
5th	Alan Paul	3 sec
6th	Chris Strachan	5 sec
7th	Hugh Stevenson	8 sec
7th	Andy Halmshaw	8 sec
9th	Mick Flack	Retired



Bruce Lindsay with his precision winning Hanriot.

RC Carrier Deck Competition

This was held on Thursday 15th Feb and there was quite a bit of practicing going on when the table was level with the ground.

When we had the actual competition and raised the table up to its full height, things got more difficult and many of those practicing "chickened out".

Tony Welch was the winner, but even he found it more difficult when the table was raised and took a few circuits to make a successful carrier landing and stay on the table!!

The results were -

1 st	Tony Welch	Vapor
2 nd	Stuart Marsden	Heli (cheating)
3 rd	Alan Paul	Spacewalker (hit deck - fell in sea)



Tony with his winning Vapor – good choice of model for this sort of thing

There are some videos of Tony and Alans tomfoolery on YouTube – look for recent videos by searching for IVCMAC and then filtering for the last months uploads to see the latest ones.

Club Auction 8th March

Just a reminder that the annual auction will be at 8pm on Thursday 8th March. Bring anything you want to sell, but don't anticipate getting very rich on the night!!

There will be flying at one end of the gym for 45 minutes or so from 7pm until we need to get the hall ready. During this time, you can bring in your stuff for sale and view bargains!

It's vital that you bring things for the auction well before the 8pm start so Chris Strachan can start wielding his gavel promptly!!

Just off the Building Board



This is Gotthelf's new Flying Flea - test flown in the sports hall in January. Gotthelf reports -

This is my new "Pou de Ciel" (Flying Flea). It was built from a very nice little kit produced By Stevens Aeromodels (USA), distributed in the UK by Micron Radio Control. It is a caricature of the French home built Pou de Ciel of the 1930s. Interestingly it has elevator control by tilting the whole upper wing just like the original. Wing span 45 cm, weight 50 gr (40 gr according to manufacturer!). Test flights on 20 Jan in sports hall went very well



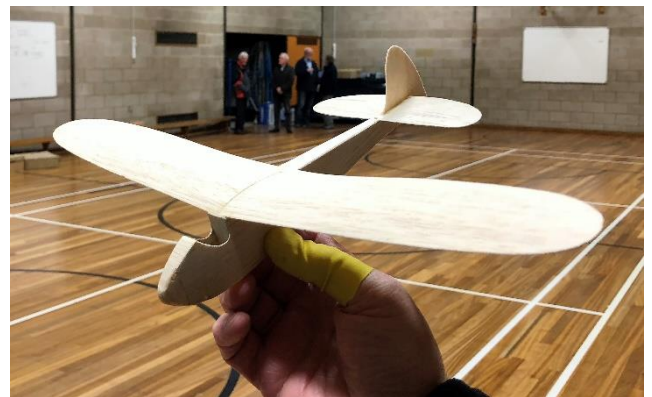
Editors note - the original Flying Flea was a tricky beast to fly and was responsible for the deaths of many amateur pilots. Gotthelf's new model actually flew very well and looked just right.

Miniature Glider

This was an unusual subject from Bob which flew well in the gym and from a gentle hand launch easily went the full length of the room.



The "Junior Flyer" made from 1/32nd sheet. Designed to teach young people some building and flying skills.



To get an idea of scale, Bob holds his Junior Flyer in the gym

Dates for your Diary

Sat 3rd March - Indoor flying in the Sports Hall at 2pm. Entry £3

Thur 8th March - Club Auction at 8pm

Sun 18th March - Public Open Day 9am to 5pm - see flyer at end of Newsletter

Sat 31st March - Indoor flying in the Sports Hall at 2pm. Entry £3

Fri 13th April - First outdoor meeting of the year. Hopefully not a poor choice of date....!!

Indoor flyers



This is Hugh Stevensons new creation. It's an Eastbourne Monoplane – one of Ray Malmstroms plans for a scale replica of the 1913 aircraft. The Eastbourne Aviation Company was one of the early pioneers in aviation founded in 1909.

This model flew very nicely on its test flights and looks just right. There's a short video on YouTube – search for IVCMAC Eastbourne



This is Mick Flacks new Saint class model which flew very nicely in the gym last month.



See the saint flying - Youtube IVCMAC Saint



This is another of Bruce's own designs without a name. Made about 4 years ago, Bruce brought it out of a cupboard and it flew fantastically in the gym. I fear I insulted Bruce by saying he'd put the wing on back to front!! Covered in Ultrafilm.

How old is your model?

This is a chance for you to get looking in the back of your Hangars – can you beat this one?



This is Chris Strachan's Piper Colt. It will celebrate its 30th anniversary next year!! It looked in amazing condition but Chris says the fuselage is rather crushed and it's only the longerons holding it together – a miracle of Cyano.....

There is a nice video of Chris flying this on Youtube – IVCMAC Colt

Open Day Sunday 18th March

Aeromodeller have advertised our Public Open Day in their February edition – see below and also see the flyer at the end of the newsletter

IMPINGTON INDOOR - MARCH 18TH 2018

The next of the twice yearly Impington Indoor meetings at Impington Village College near Cambridge (CB24 9LX) will be on Sunday March 18th from 9.00am to 5.00pm. Just £6.00 to fly indoors all day. The large (100 x 50 x 28 ft) sports hall at the College is exclusively for indoor FF models, while RTP (4.5 m lines) and small RC electric helicopter and fixed wing flying (X Twin or Vapor types) are in a separate hall.

There are FF competitions for peanuts (with light scale judging – minimal documentation) and Bostonians. SAMS Models will be in attendance and a lunchtime seminar by Roger Simmonds - "Who needs Stringers." - explain his work on structures for small jet models. Also rubber powered car race! For more information contact Chris Strachan, tel: 01223 860498, email: chris.strachan@btinternet.com or see www.impmac.co.uk



'Mr Jetex' Roger Simmonds will be lecturing on his development of small flying jet models.

Extract from Feb 2018 Aeromodeller

Who's winding?

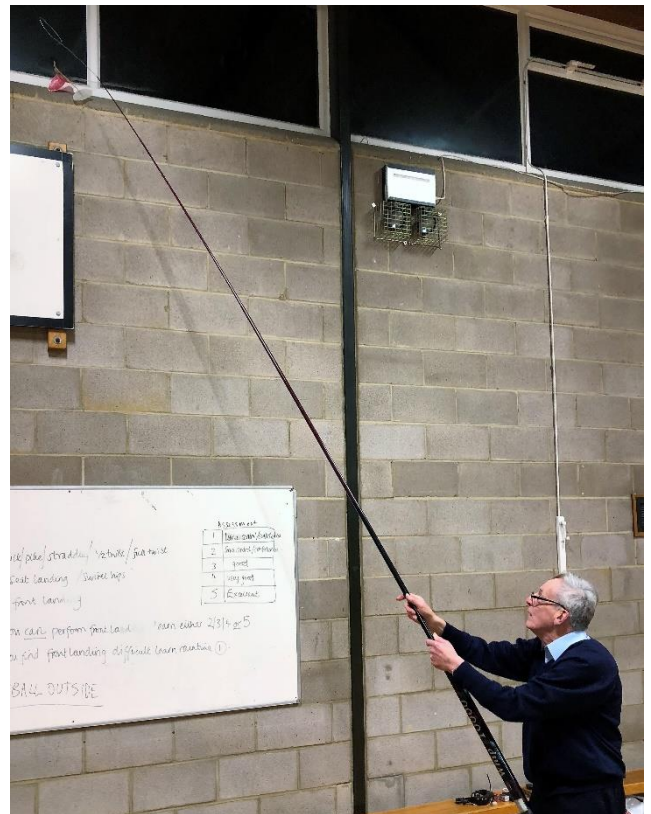


You can find out who this is at the end of the newsletter or you may have seen the details of this model earlier in the newsletter!!

Caught by cobwebs!!



Bruces model is well and truly snared by cobwebs in the gym



Good control of the pole soon has the model down again

YouTube videos

All the old club videos from Terry Kings collection plus all the recent ones are on YouTube.

Searching for IVCMAC will find them as they are all tagged with that, but as there are so many, it's often worth filtering by the last month to see recent ones.

What's this then?



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

Indoor FPV

FPV stands for "First Person View" and is where a small camera on the model transmits a pilot's eye picture back to the pilot who is wearing goggles.

Trevor and Alan have been experimenting with this indoors, and last year managed a couple of descending circuits with a 150% Gymminie Cricket with Vapor motor and radio. It was hopelessly underpowered!!

Working on the basis that the Gymminie Cricket is a good airframe and just needed more wing area and power, Alan built a 200% scaled up version



The scaled up GC now has a more powerful 8.5mm motor compared to the Vapors 6mm motor. Still Rudder and Elevator with the old Vapor radio.

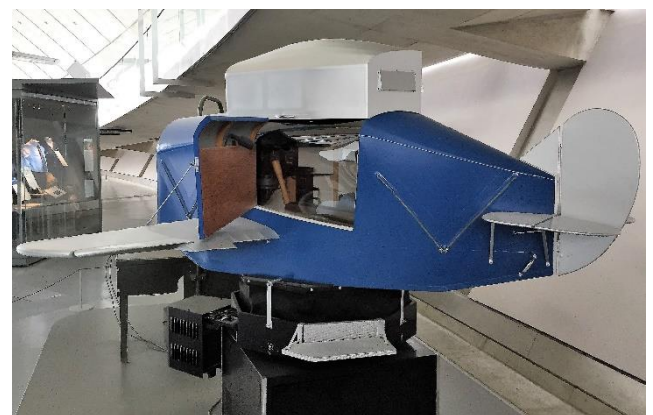
This now flies a dream and has plenty of power. It has a 30" wingspan and weighs 43g plus another 10g if the camera and additional camera battery are fitted. In fact flying performance is much the same with or without the camera, which proves that power and wing area can overcome all forms of aeromodelling ignorance!!



Alan gives a sense of scale to the enlarged Cricket. It has a wide speed range too from very slow to quite sprightly if you push the throttle forward.....

I achieved a unique feat in the gym by actually crashing one of my other models into this one whilst it was parked and breaking the fin off. Having someone else crash into one of your models is one thing, but doing it to yourself could be seen as somewhat careless!!

Link Trainer remembered



You may recall this picture of the RAF Link Trainer that was the subject of "What's this?" last month. I had a nice e-mail from Tony Anderson in Australia (Clives brother) who said -

Hi Alan, re the photo in the club newsletter Feb 2018 just received thank you. It is as stated a Link Trainer but a very early one. In the last year of my service in the nineteen fifties in the RAF I actually ran the Link Trainer section at RAF St Mawgan in Cornwall and we had two Links, latest in the line with one in each room. One of the many lessons that were given was to RAF Pilots who were leaving the service and becoming Commercial Pilots to familiarise themselves with civilian airports and their approaches and procedures. All this was as well as the usual RAF Pilots that had to do so many hours Link Training per year. This is just a useless piece of information to go with your Photograph and an insight as to what a link trainer was used for!! Great club newsletter - look forward to it and gets a big pass around here in The Yarra Valley which is an hour and a half drive North East of Melbourne, Australia. Cheers Tony Anderson.

Model resurrection

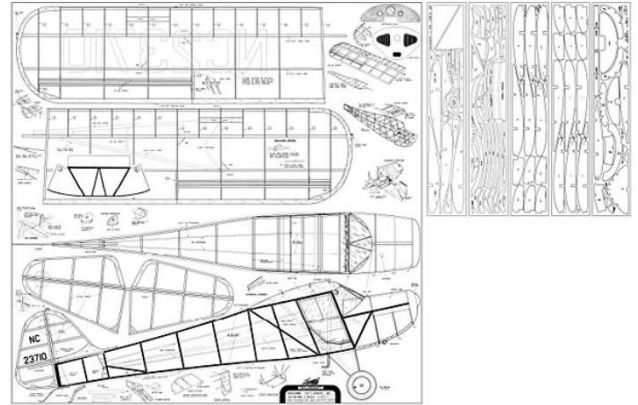
A lovely sunny day at Cottenham in mid February with very light winds saw Tony Neal bring out a lovely Taylorcraft for its test flights



Tony explained that this model had an interesting history. It was built from the Comet plan which was for a 54" rubber powered model. Chris Hinson gave the uncovered fuselage to Tony who downloaded the plan from the internet and completed the build.

As it was designed for rubber free flight the wing and nose area had to be strengthened as they would not be strong enough for electric power. A brushless motor supplies more than enough power. The fuselage and tailplane were covered in lightweight tissue which when doped gives strength to the structure. The

wing was covered in a polyester tissue called "Pollyspan" standard 25grms per sq meter which is a heatshrink material that can be doped.



The Comet Taylorcraft plan downloaded from outerzone plans



Answer to What's this then?

It's the TSR-2 pictured at the RAF museum at Cosford. Pity that aircraft got cancelled before it really got going back in 1965. It first flew in 1964 and completed 24 test flights including supersonic before the cancellation. Only one of the 2 prototypes flew, but it was reported to be an excellent aircraft.

The model winder was Gordon Hannah

From the Archives.....

This extract is from the 1953 Nationals programme and may cause John, Steve and Tony a quiet chuckle..... Expendable models indeed!!

Saturday, May 23rd

THE GOLD TROPHY

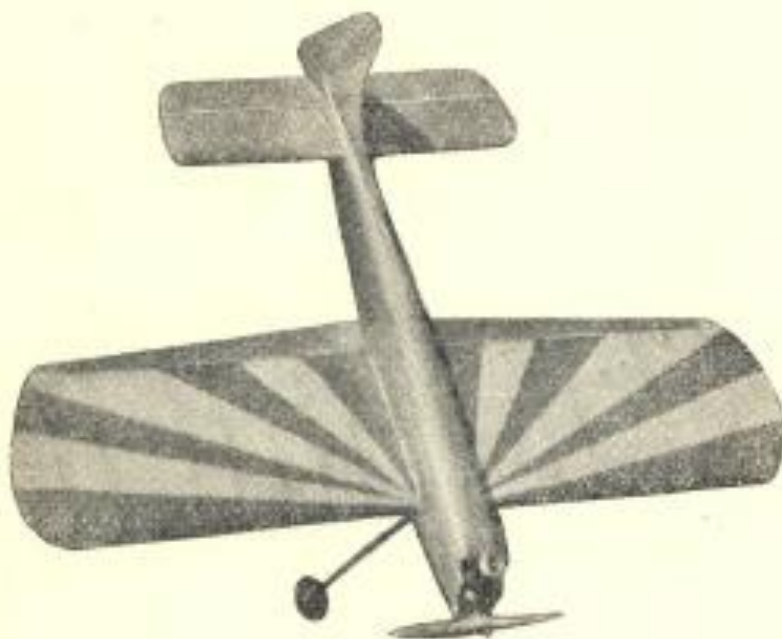
CONTROL LINE STUNT

The Gold Trophy is the senior event of the year on the calendars of British stunt control line enthusiasts. All modellers must fly their models through a certain pattern of manoeuvres, with points awarded for each evolution performed. The extra bonus points that are awarded nowadays for construction and appearance, have encouraged modellers to produce very attractive models.

Every competitor is allowed eight minutes in which to complete his flight pattern. Between each manoeuvre two laps of level flight must be flown. This is to permit the judges to record points.

Diesel motors of 2.5 c.c. and glow-plug motors of 5 c.c. are the most popular power-plants among stunt enthusiasts.

To become a proficient flyer capable of performing everything in "the book" calls for a great deal of practice with "expendable" models. Control line stunting is perhaps one of the most costly of all branches of aeromodelling, and certainly one calling for skill and dexterity.



PLEASE LEAVE NO LITTER

Indoor flying on Sunday 18th March 2018 9 am to 5 pm

We will be using the large (100 x 50 x 28 ft) sports hall at the College. The only restrictions are no radio models in the main hall and no internal combustion engines, jets or catapults anywhere.

Also Round The Pole (4.5 metre lines) and small electric helicopter and fixed wing flying (X twin or Vapour type) in a separate hall (radio or infra-red).

SAMS MODELS will be in attendance to supply all your needs on the day.

Competitions:

There will be two, low key free flight (and one car!) competitions:

A Peanut event using a simplification of the usual international rules,. Maximum size of model either 13" span or 9" length excluding propeller

A GA drawing, photograph or any other proof that the actual aircraft existed.

A single judge for all entrants to award up to 30 scale points and up to 90 "difficulty bonus points", the purpose being to encourage those flying models of difficult and adventurous prototypes

Any number of flights with a 10 second bonus for ROG.

Total of best two flights plus scale and bonus points to decide final score

The usual duration event for **Bostonian** models. There was a healthy increase in Bostonian numbers at our last meeting so lets have even more this time. Any design to the Bostonian formula (If you are unclear about the Bostonian formula rules ring or email the contact below). Minimum airframe weight 14 gm and all flights to be ROG. Total score from best 3 flights

For both competitions get your flights timed and reported to control. As many attempts as you like. Awards in each event for overall winner and best junior (under 18). Bostonians to be weighed. No builder of the model requirement in any competition. Build one for your wife (or husband), child or grandchild who just has to wind and launch.

We will also feature the **Racing Car event** as usual. This is a fun event for rubber powered cars. We vary the distance to be covered, number of heats etc depending on the entrants on the day! Ring or email below for any further information and for plans of suitable vehicles.

Exhibition

We would like models of all types in the exhibition and models other than aeroplanes are more than welcome. Bring whatever you like but please bring something (don't be shy) as this is a feature much enjoyed by our visitors - both flyers and spectators. It is also a good way of showing our kind of modelling to the public.

Seminar

The seminar will be given by Roger Simmonds and his subject will be " Who needs Stringers?". Roger is the power behind small scale rocket model flying, Anyone who saw his beautiful Hawker P1081 at our October meeting will know hearing how he does it is something not to be missed.

RTP and Small Radio

David and Will Beavor will be bringing their equipment, using 4605 connectors at the model, available from The RTP Hut (www.thertphut.co.uk). .As usual RTP will share the second hall with small R/C helicopters and fixed wing models.

Refreshments

Hot drinks and snacks will be available from the Sports Centre

Cost of admission: Indoor Flyers - Adults £6.00, under 18s £1.50, Spectators and Chatters - £3.00

Contact - Chris Strachan Tel no: 01223 860498 Email: chris.strachan@btinternet.com