

Clear Dope

August 2018



Chichester and District Model Aero Club: Committee 2018

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The First of the Much awaited Glider & Electric glider Competitions starts this month the first on the 18th August, second on the 25th and the final competition is on the 1st of September all at Thorney

Will All holders of the CUPS please return them to Ray Beadle before the October club meeting Thank You

Horses don't seem to be a problem here
Beaulieu Forestry commission Site @
New Forest August 2018



A small report about the Club BBQ fro Keith Watts

Hi Ken,

Just a few words about Sundays BBQ. First of all , once again a big thank you to George and Terry for supplying and cooking the food. Also to Ian for transporting the bbq.

The weather certainly didn't let us down with a full day of beautiful sunshine with a gentle breeze to keep it comfortable.

Approximately 25 turned up for a day of nattering and noshing with a bit of flying thrown in. The competition went well, I'll let Ray give the details. Two models went missing in the cornfield after the batteries ran out while trying to get an extended flight. Peter and I spent about 3/4 of an hour in the field trying to locate his model with no luck.

We even had a distant view of the Red Arrows display at Goodwood and a fly past of a red Kite!

Ray had a stroke of luck while packing up his gear, as he was putting his Tx case in his car a lipo caught fire. Fortunately he threw it out before too much damage. Good job he wasn't driving.

All in all I think it was a successful day with everyone enjoying themselves. I've attached a photo of the group outside the barn.

Cheers

Keith



Electric Model All up last down Competition 2018

This competition was run at Porthole Farm on BBQ day.

It was a lovely hot sunny day, with very little breeze, a good flying day.

The Rules were any electric model but not an electric glider, with a Lipo battery size limit of 2,200. Motor could be run as long as you liked.

Eight pilots flew after a slow start due to the food being ready from the BBQ.

Adrian Childs got us under way with a **Chaos** a fast aerobatic model and did a time of 35min 30 sec, amazing for a model like this.

Ken Smith flew a **Visionair** but could not get it trimmed to glide well so only managed a time of 16min 43 sec

Ray Beadle had an **Apprentice** and managed a time of 32 min 48 sec. and landed in the tall sweet corn behind the tree, recovered by George Claridge.

This looked a good start.

Mick Blundell had his self built **Wot 4** which he had finished repairing the night before and made a time of 31 min 39 sec,

Keith Watts had his very light **Ajax** and made 23 min 30 sec but left 50% in the battery, while Johnathan Smith flew a **Wot 4** foamy for 17 min 40 sec but lost it in the long grass,

Electric Model All up last down Competition 2018 cont.

George Fridlington then flew his high wind model in more of a breeze but still made a time of 30 min 59sec.

David Draper then flew the **Visionair** but only did 5 min 40 sec.

All were surprised at the times that were attained with normal electric models and want to try again, A good day out, wonderful BBQ by George Claridge and Terry Burley

The result for this was,

First Adrian Childs

Second Ray Beadle

Third Mick Blundell

Thanks to all who helped time and record and all who attended, they made it very enjoyable, See you all next year.

Cheers Ray



David Heywood wrote and placed these pictures on Facebook for the Club

Thursday 5th July we hosted a visit by the Air Cadets to give them a taster of flying an RC Model. Duke, Peter, Toni, Jeremy and Derek in particular provided the instruction and assistance to each of the Cadets (apologies if I have forgotten anyone).

Donna provided refreshments and all others attending added to a very fine evening that just went on and on, finally drawing to a close with a beautiful sunset. With kind permission of the Cadets here are some images from the evening. Can you identify everyone in the final sunset shot?



Thank you to **Ian Holcombe** ,**Dave Stockley**, **Graham Ousby**, **Alan Noble** and Ian's friend Paul who representing the CADMAC Club today at the jubilee playing fields today at North Bersted, Bognor today

Dave Provided the marquee and drones, tiny to medium sized and computer flight sim that proved popular with kids and adults. Graham Ousby display and great flight with his SU29 foamy , Alan Noble and Paul with his Airwolf and various helicopters and planes



DRONING ON (04)

from Bruce

Clever Stuff

For this last article I'd like to briefly tiptoe through some of the incredibly clever and diverse features now being built into consumer/hobbyist drones and then look at how these features are filtering through into our fixed wind models. But first.....

The NATS Drone Assist App.

What is essentially our National Air Traffic Services, have got together with Altitude Angel to produce the NATS Drone Assist App. to help drone pilots to fly safely and within the law. **It's a free app - though you have to register before you can use**

it, so if you're frightened to do that then you're probably already doing something wrong or thinking about it? In truth, in the future it's use might be mandatory for all drones with a mass greater than 250g. BUT it's a great tool to have on your smartphone with loads of interesting and helpful features.

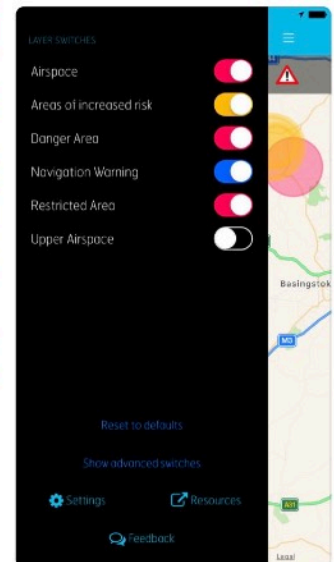
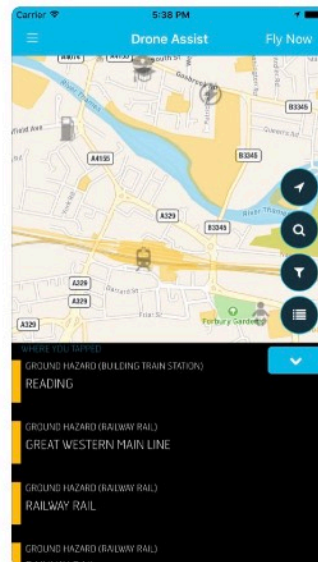
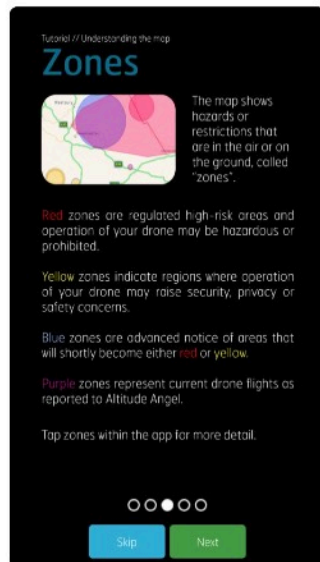
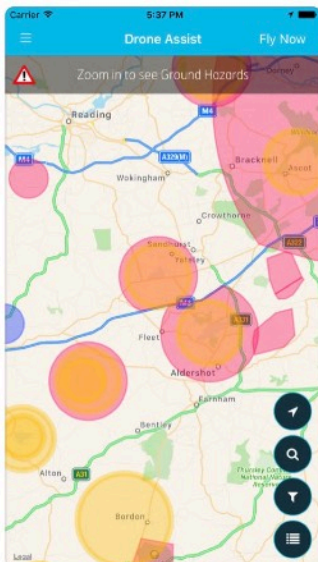


NATS Drone Assist: helping you to fly safely

Altitude Angel Ltd

★★★★☆ 2.9, 19 Ratings

Free



The application works by using GPS (Global Positioning Satellites) to locate your smartphone's position on the TomTom mapping system and then superimposing known areas of risk or sensitivity. These may be Restricted Airspace, National Security, Privacy or other restrictions and they're colour coded as detailed in the 'Zones' screen-shot above. The screen-shot (Right) shows a temporary restriction during the Festival of Speed last month.

Of course the app doesn't glue you to your phone's position and you can scroll to any part of the UK you're planning to visit and check out the safe and the no-fly zones long before you arrive.

You can zoom in close on any particular area to see ground hazards such as tall buildings or electricity pylons and touching the 'DETAILS' button will spell out everything you need to know about the hazard or the restriction.

The app allows you to register your proposed flight and it will show it on the map so that other drone pilots (and aircraft pilots) can be aware of where you are.

It could be very helpful too, for glider pilots using the Trundle.

COOL STUFF

Now we're into the realms of high-end gear, either serious camera or selfie drones. Facilities include.....

GPS Hold or Position Hold

Press this button on the smartphone screen or flick a switch on your transceiver and the drone will stop, rock steady in its current position despite the strength of the wind. The drone will respond to forward and sideways commands as usual when given, but once the gimbal returns to centre the drone will hold its position. Here the drone is using GPS or the distance from its parent bluetooth device. GPS Hold restricts the drone's top speed since it is constantly assessing and calculating its point in space.



Home / RTH (Return to home)

Using the same principles, RTH initially logs the drone's take-off position and will cause it to return there and land, once again at the flick of a switch. This is a wonderful facility if you're learning or even for a practiced pilot who loses orientation. The serious camera drones will invariably, first climb to a safe height before they speedily return to hover of the take-off position and then slowly descend to within a meter or so of the initial take-off point.

Follow Me

This is a great photography application that basically does what it says on the tin. The drone is positioned at some distance and height facing the pilot with the camera running. Selecting "Follow Me" will now cause it to move and keep that same height and distance from its subject whether you run, cycle, paddle (or whatever) towards, away or sideways from it.

Circle Me

One again, very effective for photography, will cause the drone to describe a circle (of pre-set height and distance) around the pilot while keeping the camera trained on its central subject.

Follow Target

Using algorithms similar to facial recognition technology you can now get drones which will, given the right conditions, 'lock on' to a moving object and once again pursue it at a regulated height and distance.

Collision Avoidance

Built into the processors of even some of the cheaper selfie drones is the facility to reconstruct the basic geometry of the world around it such that it can autonomously choose to fly its path safely, while following, circling or targeting its subject without colliding with anything in its path.

Course Flying

Expensive camera drones have an in-built facility to survey a designated area or fly a pre-set course programmed in to the transceiver. The transceiver will use your smartphone as a wifi 'hotspot' to gain access to maps on which you can determine any number of way-points for the drone to follow.

Facilities are multiple but you could, for instance, use video for the whole flight or pre-determine certain points along the route and pre-set the drone to take still or video footage from a pre-set height and with a pre-set camera angle.



Everything We've Always Wanted?

I thought I'd finish the series with a look at the kind of fixed wing model that's coming onto the market at the moment and which incorporates many of the key features employed in drones.

The Hobbyzone Sportsman S+ is a 1400 mm span electric trainer which comes in ARTF form with its own dedicated transmitter for £200+ The manufacturers have taken onboard and hopefully overcome the two main reason that trainee pilots crash and lose their planes:

- (1) Fighting it all the way down to the ground when orientation has been lost; and
- (2) Just loosing good visual on it by flying too far away.

The Sportsman S+ addresses these with

- * GPS-enabled SAFE® Plus Technology
- * Automated Landing Approach function that assists new pilots with landings;
- * Beginner, intermediate and advanced flight modes;
- * Panic recovery which instantly returns the plane to level when needed;
- * Holding Pattern function which lets you 'pause' the flight when needed;
- * A Virtual Fence which prevents the model flying too far away; and
- * AS3X technology (3 axil gyro) to smooth the flight in all conditions.

Check it out for yourself, its quite an amazing video at https://youtu.be/3qqIFiZg8_s



Anyway.....blow the trainer, I just can't wait to get my hands on a GPS enabled Safe® receiver so my flights look as good as they were twenty years ago.

I hope you've found this mini series interesting and informative and if you have any questions I'll be glad to help, bearing in mind that this is still all very new to me and I'm still very inexperienced with drones.

Happy Landings

Bruce

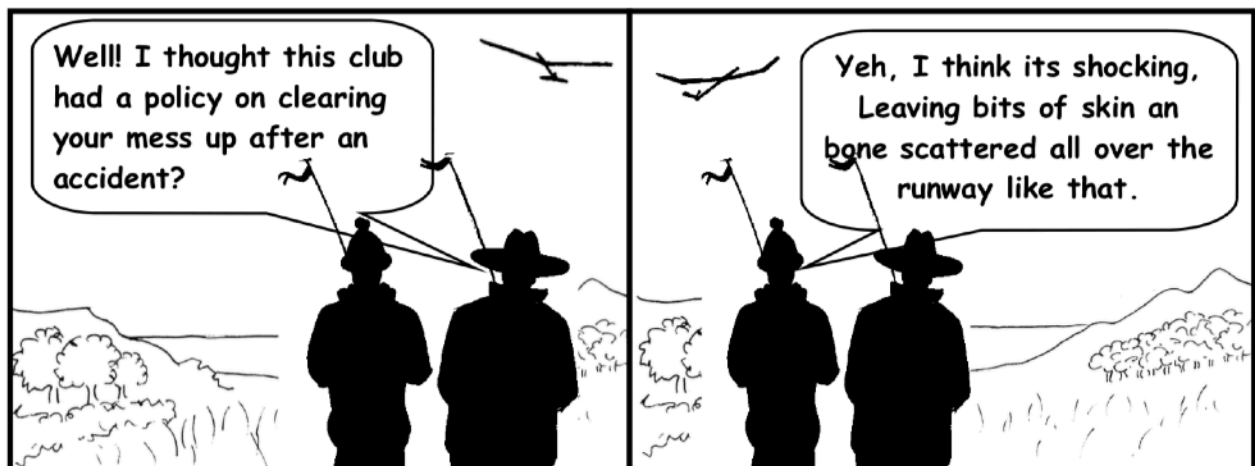
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Club Program 2018

9th August	Club Night	Light flight and Control line
4th September	Committee	
13th September	Club Night	John Riall - Covering a Model
2nd October	Committee	
11th October	Club Night	Andrew Gibbs' Quiz Night
6th November	Committee	
8th November	Club Night	AGM
4th December	Committee	
13th December	Club Night	Subscription collection and table top sale

TeX & ReX

by Ecurb



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Clear Dope - August 2007

The club Facebook page is now in its fourth year. It has over one hundred members. It contains many contemporary site reports, and has a wealth of photos in its archives.

Administered by Nick Gates. and David Hayward

Competition Calendar 2018



Date and time	Competition	Venue
Saturday 18th August	Open Glider/open electric	Thorney
Saturday 25th August	Open Glider/open electric	Thorney
Saturday 1st September	Open Glider/open electric	Thorney
Saturday 15th September	Slope or electric duration	Trundle Hill/ Porthole Farm
Saturday 29th September	Reserve competition day	Thorney/Trundle
Saturday 13th October	Restricted Electric glider 2200ma 3cell limit	Thorney
Sunday 11th November Remembrance Sunday	Open Glider/open electric fun day Collection for The Poppy fund and a piece of Alison's cake	Thorney

**PAGHAM
ON
PARADE 18**

**PAGHAM VILLAGE HALL
SUNDAY 19 AUGUST
11.00am - 4.00pm**

**DISPLAY OF
CLASSIC CARS & MOTORCYCLES
CHILDRENS FUNFAIR
REFRESHMENTS/BAR/BBQ
ARENA EVENTS & STALLS**

**ENTRY
FREE**

Come along & enjoy the fun!

Vehicle entry forms from Pagham Village Hall
01243 266424 email: paghampc@gmail.com
ALL PROCEEDS TO LOCAL CHARITIES

CADMAC are going to have a stall and show of models at the **Pagham on Parade** event this month and **Allen Miller** would very much like some help so even if to the odd hour or two please contact Allen on **07708477174**
Thank You



The power train can be obtained from HobbyKing

Zoot Suit Flying Days. All Flying at Porthole

To all Zootsuit Flyers
Just a reminder that the Zootsuit fly-in days start on Friday March 2nd-
Get your model finished!!
Give it a different colour scheme
We don't want too many mix ups in the sky.
These are fly in days, the basic rule are a climb of 15 sec and a max time to make of 5 min per flight.
Each day is independent so the pilots on the day are against each other.
So it does not matter if you miss one,
If a running total is required this can be set later. **Ray Beadle**

Zoot Suit Fly-in Days. 2018 All Flying at Porthole

Friday 24th August, Sunday 1st September,

Friday 21st September, Friday 5th October Sunday 28th October, Sunday 4th November

Time from Start, 15sec Climb, to landing or 5 min Max
Sunday Starts from 12 o'clock
Friday Starts 10 o'clock



Could the lock at the



Porthole gate lock you all please ensure gate is left with the and cable positioned bottom of the gate as



For those of you who have not yet discovered it, Nick Gates has set up a group page on Facebook its well worth a look

Here is the link:-

<https://www.facebook.com/groups/Chichesteraeromodellers/>



Now with 90+ members

Flying alone on Thorney is restricted to lightweight electric or gliders, and pilots are requested to concentrate on flying within the grass area to the west of the runway.

The Commander at Baker Barracks Thorney and the MOD have decreed that there shall be NO drone flying whatsoever

When flying at Thorney please keep an eye out for traffic(all kinds walkers, horses, bikes, runners, and low flying aircraft) coming from behind the flyers and inform them accordingly

When Driving Around Thorney be aware of young children on bikes

Please Try to leave Porthole as tidy as possible, making sure no fuel is left on site