



Best Achievements so far this year. See Page 3

The Booker Newsletter

Get set for the Booker HDT Comp Week 23rd -31st August. See reminder of how it works on Page 4

<p><i>From the Chairman</i> <i>From the CFI</i> <i>Members' Achievements</i> <i>Dates for your Diary</i> <i>The Henley Show</i> <i>HDT Tasks</i> <i>Bungee Fun</i></p>	<p><i>This month both Denis and Richard highlight the success of the marketing team, Richard encourages us to make the most of the rest of the season flying 315 and the ASW19, (soon to be re-named 319). He also reminds us of the dangers of dehydration. We report on some excellent achievements and with the forthcoming HDT Comp in mind, reprint part of Tim and Jim's S & G article on how it works. There's an appeal for volunteers for the Henley Show and an account of some Booker flights that the Wright brothers beat for time and distance on their first go.</i> <i>William</i></p>
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From the Chairman

The continuing spell of good weather and the fantastic efforts of the Marketing Team have kept Richard, Andrew and Timur very busy. Thank you to those members who responded to Richard's request for volunteers to assist with tugging and instructing. As a members' Club we rely on volunteers to maintain what is a very professional operation, your help is much appreciated. Richard is introducing a modified instructor rota and diary to help improve the system.

We are expecting a good turnout for the HDT competition at the end of the month; it will be a lot of fun. More details below.

The simulator is finished apart from a few bits and pieces. We will have it available for general use shortly, many thanks to everyone who has put so much time and effort in and created such a fantastic piece of kit.

EASA seem to be more adept at spreading confusion rather than improving safety with questions about dates for implementation, however a significant number of Booker pilots already have their new licences. It is a very simple process and the office will make the arrangements for you should you not have yours yet.

Wishing you safe and exciting flying
 Denis



From the CFI

What a fantastic spell of weather we've been having! It's especially pleasing to see the launch point so busy!

As I'm sure you're aware the on-going tremendous efforts of the Sales and Marketing Committee combined with the excellent weather has driven trial lesson and course sales mad! I have genuinely never seen the diary so busy! So busy in fact that for the next few weekends we are fully booked and during the week we are having to sadly turn people away as we cannot keep up with the demand.



For those of you who instruct you will have seen a recent letter from me introducing a new style diary and instructors rota. The new diary has been designed to keep up with current demands and should increase our launch point efficacy dramatically. A major change of this diary is the addition of a specific Duo Discus instructor for almost every day we are open. As a club member you are now able to book cross country tuition in 315 any time you like (weekends from Sept 1st). Please contact the office to book!

Whilst on the subject of cross country flying, many of you have been admiring the latest addition to the Booker fleet. 319 (as it is soon to be called) is an ASW19b and is fully competition ready. It has a fully functioning water ballast system, cross country panel featuring an LX7007 Pro IGC, tow out gear etc etc. The 19 is available now for those who wish to fly cross country and competitions in club gliders, so please make use of it!

This month I also wanted to write about flying preparation. The excellent weather has highlighted a number of issues to me, the two major one you will see listed below:

- Water, Sun cream & Hat – Please please please make sure that when you fly you carry suitable quantities of water. Bottles from the fridge are not sufficient and you really should carry some kind of camelback / water bladder. My recommendation to you would be around 1 litre of liquid per hour flown. You also need to wear a good factor sun cream and a soaring hat. The major danger of dehydration is that you don't realise it's happening and there have been three serious incidents lately which have highlighted just this point. To this end I have ordered the instructors to refuse anyone a launch should they feel that you are unsuitably prepared to fly.
- Cleaning Equipment – The single seat gliders are often being put away in the hanger in a disgusting state. Please give them a good clean before putting them away and my recommendation to you would be to purchase your own cleaning kit. These will soon be available in the office for purchase. From now on should a single seat glider be put away in an unsatisfactory state, you will be receiving a phone call from the office! You have been warned!

Lastly, huge congratulations to all those who have achieved this month. We've had several first solo's, Bronze Badges and Silver Badges. Let's hope for some Gold and Diamonds later on in the month!

Richard

Members' achievements

Filip Livancic (cadet) Bronze flying and Bronze badge
Michael Otty (cadet) 1st Bronze leg
George Hunter (cadet) 1st flight in Junior
George Silvey 1st Solo (from PPL conversion)
Sienna Whiteside - Silver Badge and conversion to Pegasus & ASW19
Peter Kirkwood - Bronze Badge

Congratulations to all these members and their instructors.

Dates for your Diary

- Booker's Autumn HDT Comp 23 -31 August
- Aboyne Expedition 4 -19 October

Booker at the Henley Show - Saturday 13 September



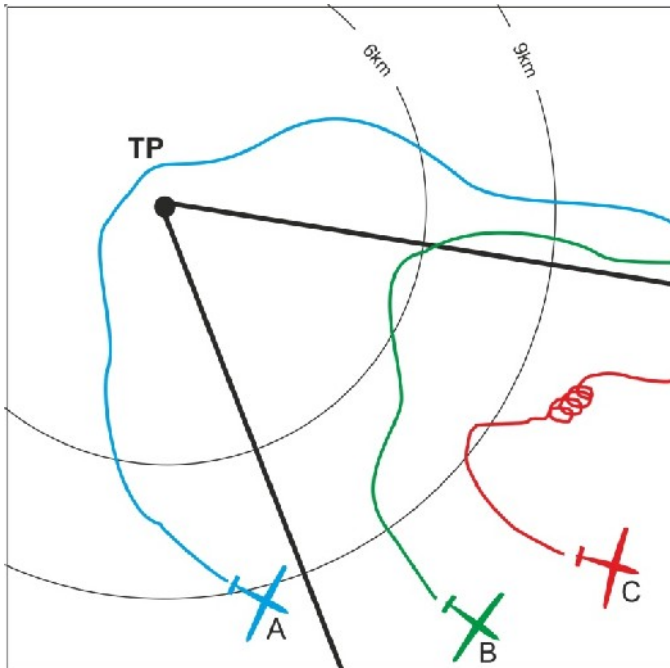
We will be making our fourth appearance at the Henley Show this year, promoting gliding - and Booker - to the many visitors. This show has always been very successful for us, we are usually kept busy all day, though we manage to slip away occasionally to take a look at the other attractions - the food tent, livestock, show jumping, vintage cars and lots more. We will need help to set everything up on the Friday evening - which includes cleaning and de-rigging the Junior - and also people to staff the stand during the day, chatting to visitors about gliding. It's just down the road at Henley showground, very convenient.

Please let us know if you can spare a little time for your club.

Jane Moore

Handicapped Distance Tasks

This is an edited version of Tim Scott and Jim White's article in the April issue of S & G. It's a simple explanation of how HDT tasks work with reminders of what the Pilot Task Sheet contains and of how to enter HDT task barrels in SeeYou Mobile.



In this example highest handicap glider A rounds the task turn point. Lower handicap glider B has been given a barrel size of 6 km and the lowest handicap glider C has a barrel size of 9km. The distance handicap keeps the gliders in proximity throughout the task.

How the HD task works: the pilot perspective

For the pilot the task is flown just like a normal racing task. Prior to flight they need to know the barrel size they need to use in accordance with their glider handicap and if there are any checkpoints that need to be rounded at the checkpoint barrel radius. They may find it beneficial to draw their sectors on their map, or change the barrel sizes in their flight computers, particularly if they have a large barrel. The calculations assume the pilot makes the most efficient flight by turning each barrel near the bisector of the inbound and outbound tracks. If they wish to fly this task in its most efficient form this might be worth thinking about. In practice not much is lost by just flying directly towards the next turnpoint and turning when the distance is equal to the required barrel size.



Handicap Task

HandicapTask Day 1
04 January 2014

Code	Name	Latitude	Longitude	Course	Dist K	Type	Radius
BOO	Booker Airfield	51 36.512 N	000 48.931 W			Takeoff	
SOS	Stokenchurch South	51 38.822 N	000 53.433 W	310	6.7	Start	5K
BIC	Bicester Control Tower	51 54.936 N	001 08.198 W	331	34.3	Variable	See below
NEW	Newbury Racecourse	51 23.832 N	001 18.514 W	192	58.8	Variable	See below
RID	Ridnor	51 37.297 N	001 15.658 W	8	25.2	Checkpoint	0.5K
BOO	Booker Airfield	51 36.512 N	000 48.931 W	93	30.8	Finish	3K
BOO	Booker Airfield	51 36.512 N	000 48.931 W			Landing	

Variable Barrel Sizes

Handicap	Barrel Size: K	Handicap Length
101	0.5	143.88
103	1.0	143.76
102	1.3	144.03
101	1.7	143.91
100	2.1	143.78
99	2.4	144.07
98	2.8	143.94
97	3.2	143.81
...

Task Properties
Task Length: 149.0
Calculation Scheme: WINDICAPPED
Wind Speed / Direction: 10 / 270
Variable 1 st Shape: BARRREL
Checkpoint TP Shape: BARRFL
Finish Line Shape: LINE

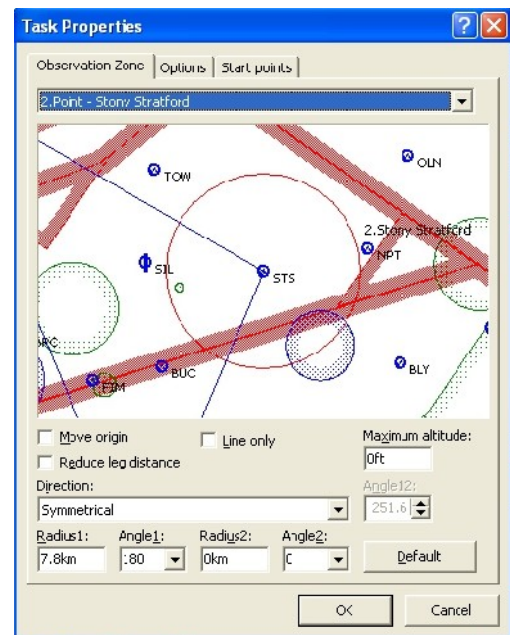
The pilot tasksheet for a Distance Handicap Task

Tactical fun

Thus, as far as navigation is concerned, the task is simple to fly. Tactics may be another story. If a high handicap glider starts at the same time as a low handicap glider then it should speed away up the first leg allowing the low handicap glider to cadge a ride for a while. Advantage low handicap glider. But at the first turnpoint the low handicap glider has to turn before the high handicap one so is now leading down the second leg. At some point the high handicap once again catches up having had the advantage of a tow for a while. If both gliders are flown equally well they should eventually cross the finish line together. This switching of leads during the flight makes the feel of the flight much more akin to an unhandicapped competition like the Nationals. Everyone can start at the same time with none of the pressure on the low handicap gliders to go first to allow time to finish the course before it gets dark. This means that the high handicap gliders have less advantage from the sky ahead being seeded with low handicap gliders marking the thermals for them. It really levels the playing field between handicaps.

Have a great week's competitive flying

The Handicapped Distance Task week is undoubtedly the fairest, simplest, most hassle-free and achievable form of competition flying yet devised. It's important to Booker because it was invented here by Tim and Jim! So please come and fly if you possibly can and help the club to move up in the world of competition flying. And don't forget your HDT task can go on the National Ladder.



See You users go to Task Properties and enter the barrel size in radius 1 and 180° in the angle box. At its simplest the task can be flown by turning as soon as the GPS distance from the goal is less than the given barrel size.

Bungee fun

The two principal requirements for bungee launching gliders – a hill and a headwind-- were entirely absent shortly after dawn when intrepid members assembled to launch the K18 on a humungous bundle of rubber bands. First off was CFI Richard –though 'off' is a bit of an overstatement. Nonetheless a good time was had by all and the lack of flying was more than compensated for by the brilliant breakfasts cooked at the launchpoint by Simon and Marnie. And that was just the first of many events (and meals) on the club's wonderful Longest Day.



Club Communications

We use Yahoo email groups, which we encourage all members to subscribe to, in order to provide a quick way to communicate with the membership. Details are below.

Booker GC Forum – Open to all members to participate. The Forum provides the opportunity to share ideas about the Club. Send an email to: bookergc-forum-subscribe@yahoogroups.com and *include your membership number when applying.*

Booker GC Expeditions – Open to all members to participate. Send an email to: bookergc-Expeditions-subscribe@yahoogroups.com and *include your membership number when applying.*

Booker GC X-C – Targeted towards those pilots who fly cross-country or who aspire to develop their cross-country skills. Send an email to: bookergc_xc-subscribe@yahoogroups.com and *include your membership number when applying.*

Booker GC Instructors – This is for Booker instructors only to easily email each other. Mainly used for swapping duty days. Send an email to: BookerGC_Instructors-subscribe@yahoogroups.com and *include your membership number when applying.*

The **Booker GC website** at www.bookergliding.co.uk has a Members Page. This contains the latest Club news snippets and links to previous newsletters, meeting minutes and several useful and informative Club documents. The Members page is accessible to everybody (not just members) but certain documents, such as committee minutes need a user i/d and password. To obtain these, go to the members page and click on the 'email Administrator' link. Don't forget to *include your membership number.*

For the latest news about what's happening check out <http://bookergc.blogspot.com/>.

*** All view expressed within the newsletter are those of the contributor and do not necessarily represent the view of the Club or committee ***

Contributions to the newsletter are welcome. If you'd like to submit an article for a future edition please send it to William Parker by email at (williamparker275@gmail.com). Please note new email address

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