

Message started by Darren M on 23. Jan 2012 at 23:36

Title: **King Kite**

Post by **Darren M** on **23. Jan 2012 at 23:36**

Hi
Here's a pic of my latest project. Something of a slingsby thing going on this year ah.
Regards to all
Darren.

 IMG_0184.jpg (Attachment deleted)

Title: **Re: King Kite**

Post by **Pat M** on **24. Jan 2012 at 07:49**

Very nice Darren, downsizing this year then? ;D ;D

Title: **Re: King Kite**

Post by **Jolly Roger Brown** on **24. Jan 2012 at 11:31**

I'm in love. :-*

Title: **Re: King Kite**

Post by **Darren M** on **24. Jan 2012 at 22:31**

Hi pat
Starting to run short of space in the trailer so it's 1/3 scale this time. How's the petrel doing?

Title: **Re: King Kite**

Post by **chris williams** on **24. Jan 2012 at 23:32**

Looks nice, Darren...did you build the scale wash-in to the wings :D

Title: **Re: King Kite**
Post by **Pat M** on **25. Jan 2012 at 07:10**

Darren M wrote on 24. Jan 2012 at 22:31:

Hi pat
Starting to run short of space in the trailer so it's 1/3 scale this time. How's the petrel doing?

Petrel progressing at my usual speed but on a more positive note I am at least enjoying building it now ;D

Title: **Re: King Kite**
Post by **stephen spittle** on **25. Jan 2012 at 09:36**

Thats how it should be Pat ;D ;D ;D ;D ;D

Title: **Re: King Kite**
Post by **Steve Fraquet** on **25. Jan 2012 at 19:18**

Absolutely brilliant Darren, well done that man ;)

Title: **Re: King Kite**
Post by **B Sharp** on **25. Jan 2012 at 19:44**

You sneaked up with that one Darren - havn't heard from you in ages and suddenly an almost complete aeroplane. It looks a bit nice though.
Brian. :)

Title: **Re: King Kite**
Post by **Allan Boyles** on **25. Jan 2012 at 20:17**

Nice one Darren. [smiley=thumbsup.gif]

Title: **Re: King Kite**
Post by **Darren M** on **26. Jan 2012 at 10:38**

Thanks for the kind words it's been fun this winter working on it. Chris I left the wash in out semi scale this time. And before you say it I'll pick it in later.
Darren

Title: **Re: King Kite**
Post by **Spike Spencer** on **26. Jan 2012 at 14:09**

"Leaving the wash in out". Is that the same as leaving the wash out in ?
Or is that twisted logic ? ;D

Title: **Re: King Kite**
Post by **Darren M** on **26. Jan 2012 at 16:12**

Chris you tell the story.

Title: **Re: King Kite**
Post by **Robbie_B** on **26. Jan 2012 at 16:33**

He's too busy building.

Once upon a time in a land far, far away.....

Title: **Re: King Kite**
Post by **Steve Fraquet** on **26. Jan 2012 at 18:45**

Yes! Yes! Robbie what happend? don't stop there we need to know. How far away was this land? did it have any gliders?
was it a nice sunny land with plenty of warm thermals??? ;D ;D

Title: **Re: King Kite**
Post by **Robbie_B** on **26. Jan 2012 at 23:27**

.....unfortunately Steve, they didn't live happily ever after. In fact, one or two of them in their King Kites very nearly didn't live at all.

The bit in between, as they say, is history (gliding, that is).

Title: **Re: King Kite**

Post by **chris williams** on **26. Jan 2012 at 23:59**

For those who may be wondering... due to an unexplained oversight, the King Kites were built with 2 degrees wash-in instead of 3 degrees washout, despite the latter being shown in the drawings, which led to some unseemly behavior in flight...

I can do that... ;)

Title: **Re: King Kite**

Post by **Robbie_B** on **27. Jan 2012 at 12:34**

I thought the history of the King Kite saga was well known and as Chris points out, there has been some controversy over the years as to exactly what went wrong. The plot is a little thicker than just having the washout the wrong way around.

It was also suggested (by Phillip Wills, I think) that the main inboard wing ribs were, in fact assembled onto the spar upside down. This idea isn't as daft as it may sound. When you look at the main aerofoil chosen for the King Kite, the NACA five digit 23021 you might agree that it is a possibility. That particular aerofoil, as well as being very thick has less than 2% camber (also, the point of maximum camber is very well forward) which almost gives it the appearance of a symmetrical section – not a lot of difference, visually, either way up.

So, despite the rush and pressure to get the King Kites ready for the International at the Wasserkuppe in 1937, Slingsby's craftsmen building wings with reversed washout and/or main ribs upside down? I think I'm with Martin Simons on this one; I'll need a lot more convincing. Perhaps it will have to remain one of those 'Little Mysteries of the Universe'

Slingsby did admit to 'workshop errors' relating to the King Kite's problems without going into any more detail than that.

One thing is beyond any doubt, all the King Kites had the presence of mind to bite you on the bum with their spinning tendencies and when they did, were very reluctant to let go.

 naca.jpg (Attachment deleted)

Title: **Re: King Kite**

Post by **chris williams** on **27. Jan 2012 at 18:56**

So, after all that, what wing section did you use, Darren?

Title: **Re: King Kite**

Post by **Darren M** on **27. Jan 2012 at 23:52**

The same as your flamingo Chris. Dave Connelly printed the sections out for me. Let's hope it works ? ..

Title: **Re: King Kite**

Post by **Darren M** on **27. Feb 2012 at 19:23**

Hi guys, here is the latest picture of the King Kite. Just need to finish the electrics and its job done. Hope you can view the attachment ok.
Darren

 King_Kite2.jpg (44 KB |)



Title: **Re: King Kite**

Post by **Darren M** on **27. Feb 2012 at 19:28**

One more





Title: **Re: King Kite**
Post by **Tonyh** on **27. Feb 2012 at 19:30**

Very nice Darren.binham in 2 weeks for the maiden!!
T.

Title: **Re: King Kite**
Post by **B Sharp** on **27. Feb 2012 at 19:32**

Well up to your usual standards Darren. It looks very nice indeed. I hope I will get to see it in the flesh :) sometime this year.
Brian. :)

Title: **Re: King Kite**
Post by **Darren M** on **27. Feb 2012 at 20:15**

Ill have a think about it Tony its a long old way for a couple of days.
Brian im sure you'll get a pass to head down south.

Post by **Jolly Roger Brown** on **27. Feb 2012 at 20:19**

Darren that's just blummin' gorgeous. :P

Can't wait for pics of it in the air.

Title: **Re: King Kite**

Post by **Steve Fraquet** on **27. Feb 2012 at 22:11**

Pics of it in the air can be taken at White Sheet on the 11th March if you can make it Darren ;) Looks really nice Darren, well done!

Title: **Re: King Kite**

Post by **chris williams** on **27. Feb 2012 at 23:30**

Nice job, Darren...my vote is for White Sheet ;)

Title: **Re: King Kite**

Post by **Richard A** on **27. Feb 2012 at 23:33**

A very neat build and an interesting colour scheme Darren.

Richard.

Title: **Re: King Kite**

Post by **Darren M** on **28. Feb 2012 at 13:46**

Oh the thought of steve chargeing down the hill with my new toy.It needs some thinking about?

Title: **Re: King Kite**

Post by **Jolly Roger Brown** on **28. Feb 2012 at 14:35**

Steve... charging? I'm sure Steve will do it for free if you ask nicely. :)

In fact I'd pay to launch the thing. If I lived a bit closer.

Title: **Re: King Kite**

Post by **Allan Boyles** on **28. Feb 2012 at 17:02**

Super job Darren White Sheet it is then :D

Title: **Re: King Kite**

Post by **John Greenfield** on **29. Feb 2012 at 07:38**

Or we could aerotow itTugs always available.

AEB

Title: **Re: King Kite**

Post by **Tonyh** on **09. Apr 2012 at 16:16**

Well done to Darren on the maiden at Binham this weekend 8-) 8-) 8-)



065_001.JPG (Attachment deleted)

Title: **Re: King Kite**

Post by **Steve Fraquet** on **09. Apr 2012 at 17:08**

Well done Darren, she looks lovely ;)

Title: **Re: King Kite**

Post by **VinceC** on **09. Apr 2012 at 17:15**

Nice one Darren and such an unusual subject

Title: **Re: King Kite**

Post by **chris williams** on **09. Apr 2012 at 17:59**

Congrats Darren, seems like a cracking weekend all round for maidens ;)

Title: **Re: King Kite**

Post by **Jolly Roger Brown** on **09. Apr 2012 at 21:41**

Great stuff Darren. Well done! Would love some more piccies pretty please.

Title: **Re: King Kite**

Post by **Darren M** on **10. Apr 2012 at 19:52**

Thanks chaps

We had a great weekend and the king kites a dream to fly.

Big thanks to all the GS for making it all happen.

Darren.

Ps tony may have a few more photos.

Title: **Re: King Kite**

Post by **Tonyh** on **10. Apr 2012 at 20:53**

Ok a couple more!



150.JPG (Attachment deleted)



127.JPG (Attachment deleted)

Title: **Re: King Kite**

Post by **Jolly Roger Brown** on **10. Apr 2012 at 21:15**

It's official. I am in love. :-*

Thanks for the photos Tony.

Title: **Re: King Kite**

Post by **Allan Boyles** on **14. Apr 2012 at 18:35**

Well done Darren (i need to keep up)look forward to seeing it at Belle Vue. :D

Title: **Re: King Kite**

Post by **B Sharp** on **14. Apr 2012 at 18:40**

Absolutely lovely Darren. I am very much looking forward to seeing it in the air.
Brian.

Title: **Re: King Kite**

Post by **Nigel T** on **15. Apr 2012 at 04:39**

Well done, Darren! :)

Title: **Re: King Kite**

Post by **chuck planes** on **19. May 2012 at 09:53**

Mmmm, I lurrve canted wings! And I Must have seen some when I was significantly younger, as we did go and watch gliders on the South Downs when we lived near Chichester wayyy back. I think I want a canted wing model! 8-)