



Johnson City Radio Controllers

AMA # 2306

120 Lancaster Road, Kingsport

October 2016

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W 082 32.1312



President's Report

Greetings and salutations!

October 29th, will be our **6th Annual Halloween Fun-Fly**. Flying will start at 9:30am, with a variety of events. I would like to have several combat flights with bloody barons. Build them and fly! Detailed information on contests will be given out at our August club meeting and via e-mail.

The club will be providing BBQ from Phil's, all side dishes and desserts will be pot luck. ***This is your last chance to enjoy one of our events this year, so come out and enjoy the day!***

The Weird Aircraft Competition is also back, with a \$25 cash prize for the winner! All aircraft will be voted on by the pilots during the lunch time meal (11:30am ~ 12). Time to get your weird on and get that strange contraption airborne (duct tape and bailing wire not included). All aircraft need to attempt a flight sometime during the day to be eligible for entry into the contest.

It is time for a change; most of our current club officers have held their positions for several years. We need people to step up and help run the club. Please, talk to me or any other officer if you are interested in getting nominated or want to nominate someone for a club officer position. Remember, it's your club.

Club elections are just around the corner (at the regular club meeting, November 29th).

Tuesday, September 27, 2016 will be our last meeting at the airfield. The meeting will start at 6:45pm and will finish as soon as possible so that everyone can enjoy the great flying weather. Notice, next month's meeting will be at the **Harbor House Restaurant** in Johnson City at 6:45pm.

Thanks! Clear skies, smooth air, and safe landings!

Anthony Hall
JCRC President
E-mail: president@flyjrc.com

MultiStar Premium Multirotor Travel Backpack

HobbyKing has just come out with a multirotor travel backpack which is great for quad pilots. It is very well made by "one of the leading camera bag manufacturers." It certainly is a very well made bag with ample room. It easily holds my DJI Phantom which has extra long landing skids with room to spare. It has covered zippers and load bearing buckles. It even had a laptop compartment. It also comes with a raincover.



Outside view



Laptop compartment



Phantom compartment
(or any quad)

Coming Events

September 27th- Club Meeting at the field

*October 25th- Club Meeting- Harbor House
6:45 PM*

*October 29th – Sixth Annual Halloween and
Weird Aircraft Fun-Fly - \$25 cash
prize for the weirdest*

*November 29 Club Meeting- Harbor House
6:45 PM*



With protective screen in place

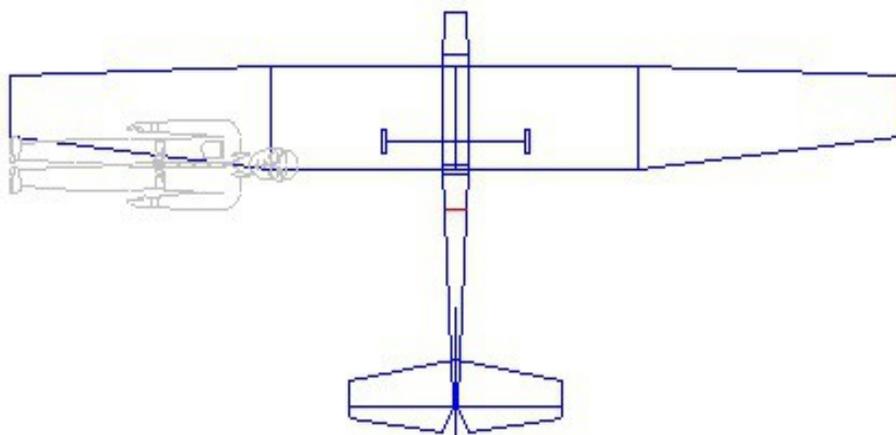
Features:

- Top Tier, Quality Product
- Totally configurable main compartment using Velcro switchable dividers
- Huge main compartment can be configured for camera ships to FPV 250 racers
 - Designed specifically for multi-rotor use
 - Large 17" laptop pocket
 - Comfortable harness that is breathable and padded Load distributing shoulder straps
 - Tear-Resistant
 - Weatherproof
- Lots of pockets to put all your documents, phone, SD cards, props, etc
 - Outside netting for bottles, towels, etc
 - Waterproof zips
- Rain cover for backpack (in its own pocket)*

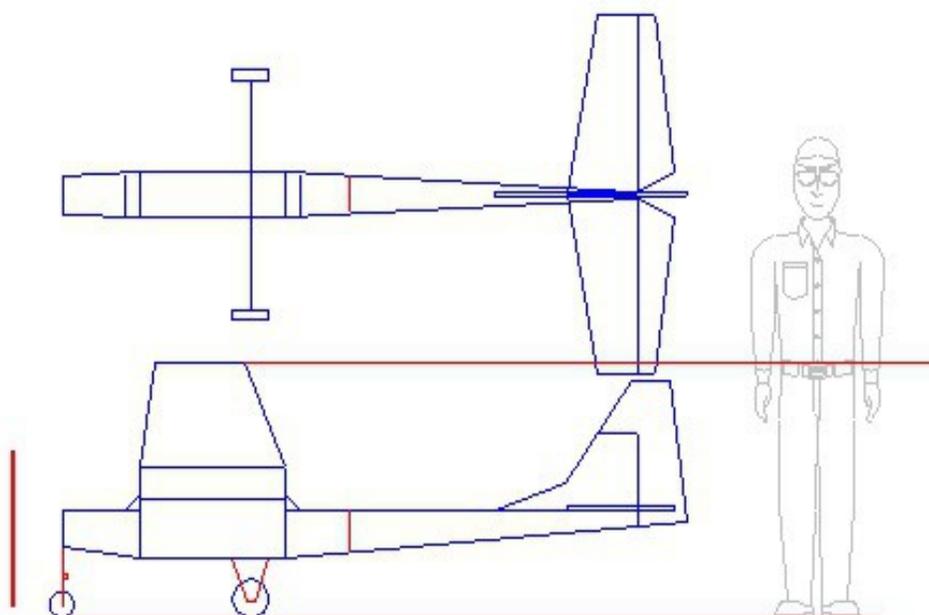
*from HobbyKing website

From here, I had to decide, just how big I wanted to go...after some consideration and some friendly encouragement from Anthony, I settled on a 240" wing span.....OH MY.

The first step was to sketch a simple outline of the aircraft to get a feel for it size.

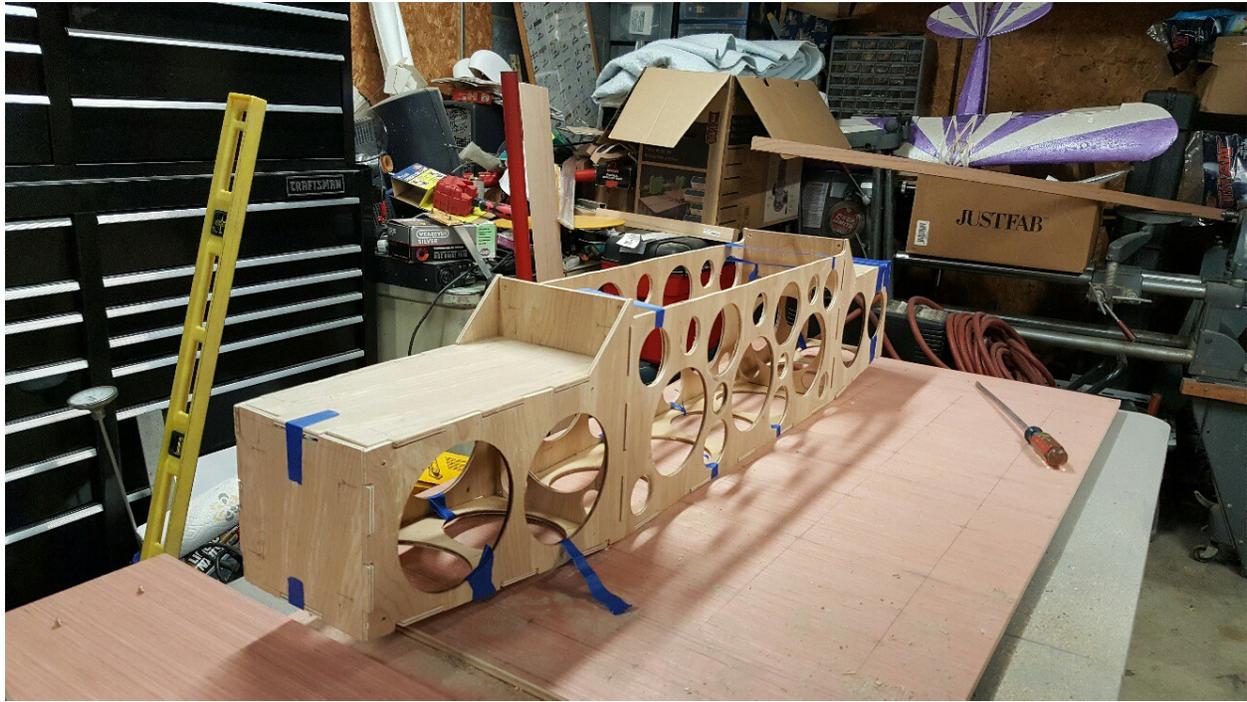


The line art man in the picture is 6 foot 3 inches tall.... My height, or at least my height when I was younger...anyway, this gives me a clear understanding of its size.



The original "Butterfly" and "Piece O' Cake" are tail-draggers. I have chosen to go with a nose gear design. I am hoping this will keep the prop off the ground when I make those "not so great" takeoffs and landings. (I know I am the only one who does these) I just don't want to be buying too many expensive large props... I hope it works for me...time will tell.

The table saw, scroll saw and hole saws got a work out. After which, fit-up began... to see just how good my drawings were.



Hey, they actually fit together pretty well. After a bit more time cutting parts I began to assemble the fuselage. Using wood glue meant I had time to cut parts while others were drying.





Bella must supervise my work to ensure I get everything just right.... She also is on guard to keep me safe. Safe from what? I am not sure....but she thinks it's her duty.



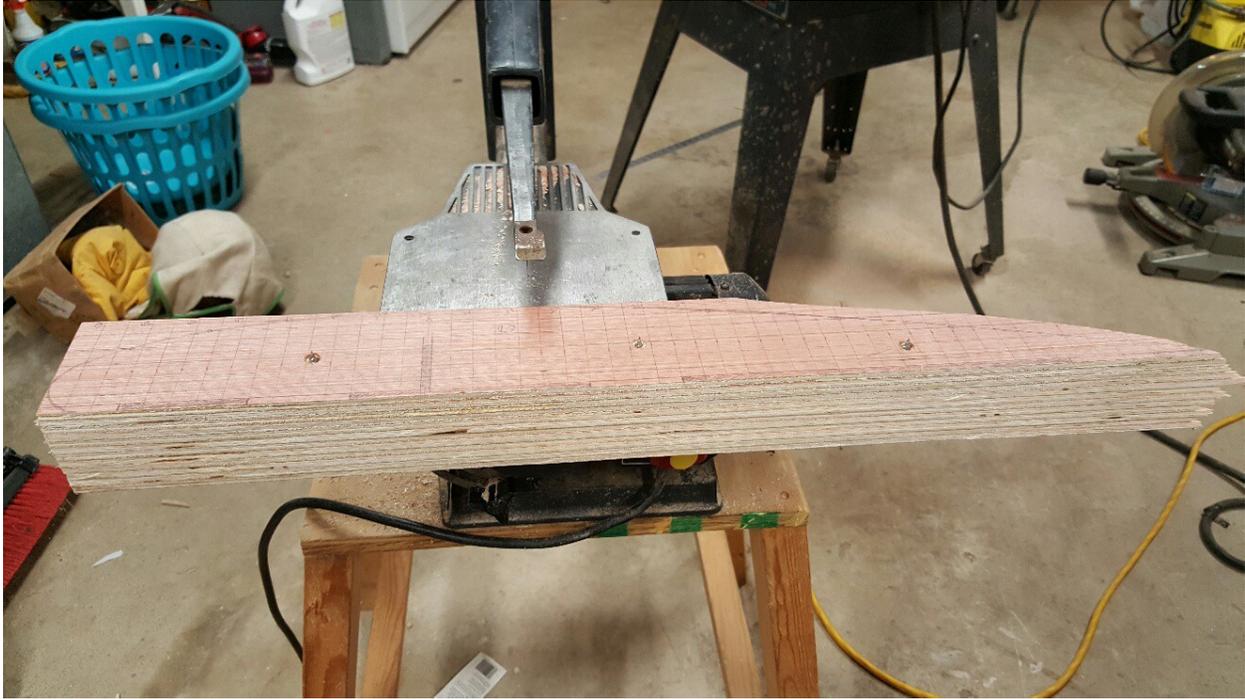
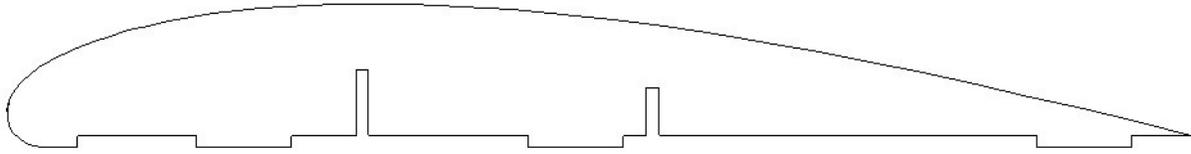
The differing parts are coming together quite nicely.... and beginning to show their size...that's a gallon jug of glue there in front of the vertical stabilizer.



As the fuselage comes together, I begin cutting wing parts. This is where patients must prevail... it takes time to draw them all out and to saw all of the pieces.



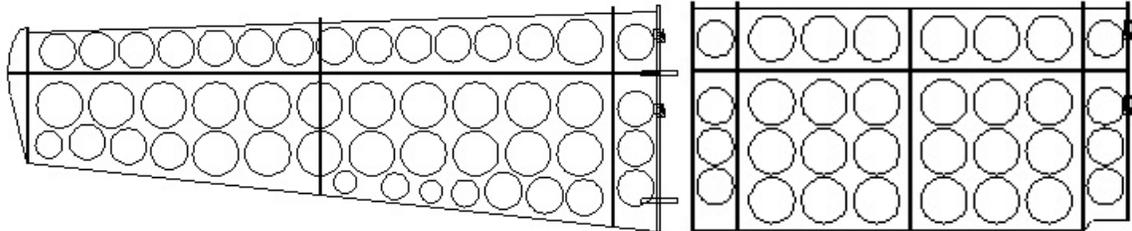
Even though it took a lot of time it was quite interesting. Again the goal is to have all parts interlock for strength. Wing ribs, wing spar and wood portion of composite wing must all interlock to reduce warping, increase strength and keep weight as low as possible.



Then the sawing began, again... some of you know well the time involved in scratch building a plane... you come to appreciate those laser cut kits. Or even better, those great ARF kits out there...



Once the ribs and spars are cut, I was able to start the dry fit up. The section shown below... (less foam parts) is the 6 footwing tip of the polyhedral wing... After many more holes to drill, and foam to cut, I will glue everything into place.

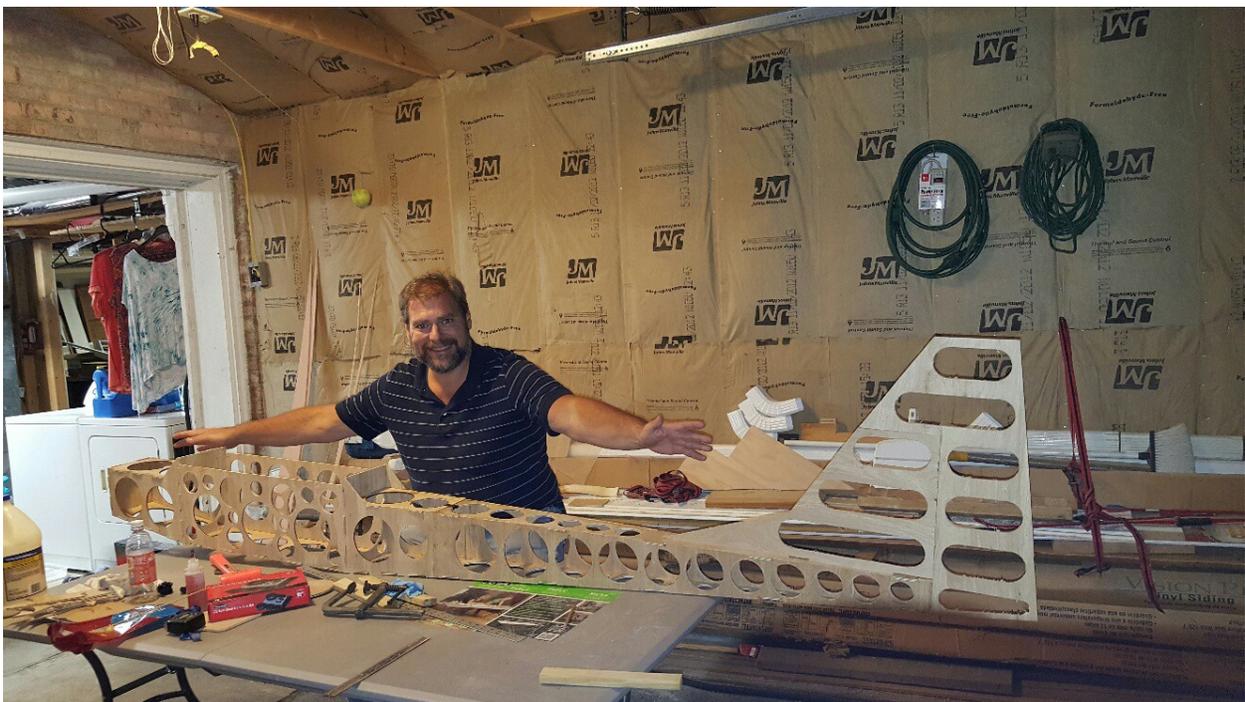


Composite concept above.



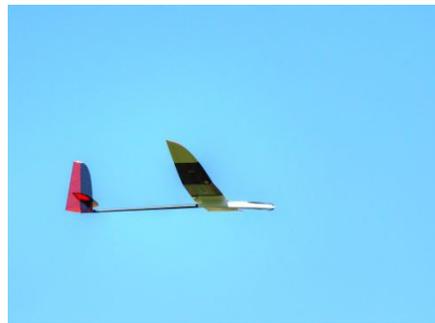
I have enjoyed the journey thus far, I have learned a great deal about increasing strength, while at the same time reducing as much weight as possible. My hope is to keep the flying weight below 40 lbs with 25 to 30cc gas engine and fuel.... I think I can, I think I can.....

The aircraft will have such a large lifting surface that it can carry a little extra weight if needed. Wish me luck, I will keep you posted as the project progresses.... Until then, fly safe and have lots of fun doing it...



Eddie Cline

Around the Field



Michael Starnes
1430 Glenmar Ave
Mount Carmel, TN 37645

Next Meeting
September 27th – at the JCRC Field

Address correction requested

Our Proud Club Sponsors:

Hobby Town USA

3515 Bristol Highway

Johnson City, TN

423-610-1010

<http://www.hobbytown.com/tjnc>

Benedict's Ace Hardware

3607 N. Roan Street

Johnson City, TN

423-282-1950

Notice to Membership

*Access to the "Members Only" section of the
JCRC Website is as follows:*

Username= jcrc (lowercase)

Password=00 + current gate combination