



BCRCF Flyer

The Monthly Newsletter of the Bartholomew County RC Fliers
Academy of Model Aeronautics, Chartered Club Number 4779

January 2015

Web Site: www.bcrcliers.org



HAPPY NEW YEAR!



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AMA Website

www.modelaircraft.org

District 6 Website

www.amadistrict-vi.org

NEXT MEETING

**Tuesday, February 3,
2015!**

**6:30 PM at Sirloin Stockade
Club Meetings on the First
Tuesday of February to
November.**

**Have your Tuesday dinner
with us just West of Kroger
on N. National Road.
Food ordering at 6:00**

Bring Show and Tell items!!

BCRCF ANNUAL CLUB BANQUET

The Annual BCRCF Club
Banquet will be held Saturday,
January 10, 2015 at 6:00 pm at:

**Blackerby's Hangar 5
Restaurant**

Columbus Airport
4770 Ray Boll Bld.

Columbus Indiana 47203

Each member [with guest (s)] is
invited to the Club Banquet.

There will be good food and lots
of RC fun and fellowship!

Price for the evening is \$17.50
per adult. Children 12 and
under are \$8.75 each.

**RSVP invitations have been
mailed to all club members.
Please RSVP with payment
by December 31, 2014.**

***Following the dinner there
will be a brief Club Meeting.***

*****Love Chapel*****

We're once again asking for
your donations, at the Club

Banquet, of items for our local **FOOD PANTRY.**

Note: Because of the Airport remodeling project, **Russ Kuhn** will leave his van parked near the restaurant entrance with the tailgate open so that you can leave your donations in it.

CLUB EVENT DATES

The club event dates for 2015 will be voted on at the next club meeting February 3, 2015.

Come one come all to the Annual BCRCF "Freeze Fly"! It will be held on January 1, 2015 at 1pm at the BCRCF club field. Brave the elements and start the year off right!

THOUGHTS FROM YOUR CLUB PRESIDENT **MIKE MARTHALER**



**BCRCF CLUB PRESIDENT
MIKE MARTHALER**

The other day I had someone not connected to the hobby of RC Aircraft ask me "What does an RC Club do?" Well, I gave him a much longer answer than he expected.

I told him we were a diverse group of people who, as you

might expect, liked to fly miniature aircraft. He laughed a little and commented that I really meant fly toys....right? I have heard that comment many times before.

So, I described what was involved in flying an RC Aircraft. I mentioned they are flown with the same controls that a full size aircraft uses and they are governed by the same laws of physics as well. I also told him the pilot of a full sized plane actually has an advantage in that he is in the plane and his command inputs are exactly how he wants the plane to react, i.e., if he wants the plane to bank left, he moves the controls to his left and the plane will do exactly that.

I then described how as an RC Pilot flies a plane away from himself, the plane is controlled just like the full size version UNTIL the pilot makes a turn toward himself, then things change. He or she must now reverse some of the inputs relative to the plane in order to fly it. The pilot must input reverse commands on aileron and rudder if the plane is to fly in the direction the pilot wants to go. And, I told him how a pilot must continue "flip flopping" commands as the plane flies, depending on if it is coming toward or flying away from him. When he asked how in the world we keep this all straight, I told him we have trained ourselves to fly as if we are in the cockpit of that small plane. That at some point in a new RC Pilots training "something clicks" and they just

fly the plane, not having to think which way it was going.

To be honest this amazed the person I was speaking to! He was not laughing anymore. Like most people that have never flown miniature aircraft, he did not realize how difficult flying an RC plane could be. That, my fellow members, is because we make it look so easy!

So by this time he wanted to know more about the club itself. I described what this past year (2014) was like and what a typical year in our club would be like. I told him we have meetings each month and we fly as often as we can, weather permitting. We have events that allow members to come together and fly at the club level. We also have events that allow other clubs members to fly with us and these are known as "Fly-ins". I mentioned that one of these events raises money for a local charity so kids that are in families who are struggling financially can have a good Christmas. I also mentioned that we have worked with local schools and other organizations to help both kids and adults understand what flying one of these miniature aircraft is like and how much fun it can be.

By the time I had finished telling this gentleman about our club and flying RC, he was very quiet. I knew I had changed his perspective on this hobby forever. When he and I had finished our conversation, he told me he would be looking for a club in his home town to join.

I knew then and there he was hooked!

In closing I would like to say that a club is only as good as its members. And, we have one of the best clubs in the state. That says a lot about the people of our club, male, female, youth and adult. We come together in a hobby to have fun and in the process not only teach and learn from each other, but support the community in which we live! We should all be very proud of that!

It is a pleasure to be your President and I hope to see all of you on the membership roster in 2015. I look forward to another exciting year in this hobby! Until then, have a safe and happy Holiday! ✈

CONGRATULATIONS!

Congratulations go out to **Tom Brandl** and **Steve Schroer** on their winning bids in the club auction of two giant scale airplanes. Tom had the highest bid for the YAK 54.

Steve had the highest bid for the Spacewalker. We hope to see them flying this summer!



Steve Schroer and his Spacewalker

PILOT PROJECTS



Steve Smith and his newly acquired AT6

Steve Smith (BCRCF Safety Officer) sent us a picture of his Seagull Models AT6 he bought new in the box at a swap meet in Ohio last month. It has an 82" wing-span and a 30cc JC EVO gas engine installed. Retractable landing gear is also in its future as well! Hope to see it at the next warbird meet Steve! Nice looking plane!



Tom Koehler with his Starduster Too biplane

Tom Koehler (BCRCF Newsletter editor) submitted some pictures of his Starduster Too biplane project. Tom has been working on and off (more off) on this project for the past 12 years or so (more so)! It's being built from a set of RC Modeler plans. The top wingspan is 72" and the bottom wingspan is 65". It has a Zenoah G62 engine up front and a smoke system. It has been a lot of fun building from plans, this being my first. The great thing about building from plans is the quality control you have over the pieces and parts that go into a project like this. Right now it's tipping the scales at 23 pounds. There are still a few more pieces to add to it and then finish. Hopefully it'll be ready for test flights mid to late summer of 2015! ✈

WINGTIPS

EDITORS NOTE: Please be sure to use your own modeling experience and "good ol' common sense" when trying these tips.

USE SANDING DUST TO FILL GAPS

Sometimes you glue things together and they just don't fit. You can use gap filling CA glue, but it tends to run away somewhere before it sets, leaving a gap. So you fill the gap again and shoot it with accelerator. Typically when this is done, you are left with a protruding lump of CA that needs to be sanded away. One potential solution is to stick everything together with thin CA, then sand the area around the joint. Use your fingers to push balsa dust into the crack. Brush away the excess so nothing protrudes past the surface and then use thin CA to glue the dust in the crack.

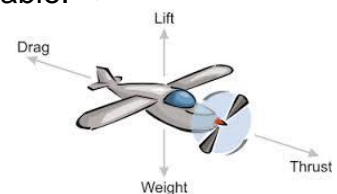
CUTTING IRON-ON PLASTIC COVERING

Here's a way to cut iron-on plastic covering when you need to have "crisp clean" not jagged edges. Obtain a piece of window pane glass. Use the appropriate size glass you would need for the particular size job you are covering. I used a piece of glass from a "storm door" I had replaced. It's a pretty good size, 2.5' x 5.5'. This size will cover a good portion of my workbench. It's great for just about any size r/c airplane project. Make sure you place tape on all the sharp edges of the glass. I usually use masking tape. After using

masking tape on all the glass edges lay the glass down on your work surface. Clean the glass really well with glass cleaner. Unroll the needed amount of covering onto the glass. Use a single edge razor blade and a good metal straight edge to make your initial rough cuts. Once you have the covering cut to the roughed out size that's needed, pick up the covering and peel back the clear plastic protective backing from the rest of the covering. Make sure the glass is clean before laying the covering adhesive side down onto the glass. Now with a "balled up" cotton cloth and with a back and forth wiping motion, press down the first 2" of the covering to the glass, removing any air bubbles as you go. Now lift up the edge opposite to the edge you just pressed down. Lift the edge up to the 2" point you have pressed down. While holding up the edge with one hand, with the other hand, take your "balled up" cotton cloth with the same back and forth wiping motion, press down the rest of the covering onto the glass removing any air bubbles as you progress towards the lifted edge. Now your covering is perfectly flat to cut any intricate pattern you desire! Due to the glass and plastic covering dulling the single edge razor rather quickly, you must have some extra blades (sharp) on hand. I've used this method to cutout "scalloped" leading edge pieces and military insignia's with great results. Try it you'll like it!

BUILDING BOARD

What really works well for a "flat" building surface is a wood hollow core "slab" door you can pick up relatively cheap (approx..\$28) at any number of home centers. They're usually made out of some stable material like Luan plywood. These doors are pretty flat, which is what you need to build a straight wing, fuselage etc... What I've done in the past, I obtain a 2' x 4' piece of "drop ceiling tile" (smooth on the white front side) and use the front side of it as a pinning / building surface. Take two sided carpet tape and lay enough strips on the "back side" of the tile and stick the tile down to the desired area on door surface. The tile is flexible enough to take on the flatness of the door. If the tile gets old and damaged, you can just pull it off the door and replace it! Best of all, the door is light and portable. You just need something to place it on like saw horse's which you could also make yourself from 2 x 4 studs. Or, you can buy metal saw horse kits that accept 2 x 4 studs cut to any desired length. When you're done building the fuselage, wings and tail surfaces, you can "flip" the door over and use it as a plane build-up table. ✈



Buy, Sell or Trade



Plane for sale. Engine: COMO .51, Wingspan: 57". Engine has compression but needs some fine tuning and care. Has radio equipment installed but no transmitter. \$150 or best offer.



Biplane for sale. Engine: COMO .51, Wingspan: 41". Engine has compression but needs some fine tuning and care. Has radio equipment installed but no transmitter. \$150 or best offer.

If you are interested in the above items please contact:
Kenneth Miller, 2943 Prairie stream,
Columbus, In 47203
812-371-3235
kenatairport@aol.com



JR 11X 2.4 GHz Spektrum DSM2 transmitter for sale. Included are the JR aluminum case, JR 9 channel Spektrum DSM2 receiver, JR switch harness, SD card, charger, and neck strap.

Total price, \$400.
Price without the receiver, \$350.
Please contact Jim Sachleben if you are interested in the above items.

bcrcliers@yahoo.com



\$8.50

New HS-425BB Servo
Dual Ball Bearings



\$20
Futaba S48 servos



\$110
Hanger 9 Alpha 40 Airplane,
Thunder Tiger 46 pro and Servos



\$75
Great Planes Super Sportster 40
MkII ARF, Engine: .40-.46,
Wingspan: 55.5"



\$45
60 size trainer 85% built



\$25
Charger



\$40
Swift RTF



\$95
NexStar ARF
Trainer Airplane only



\$50
Slow Poke



\$255
New DLE 30 CC gas engine

Please contact Gary Waters if you
are interested in the above items.
Tel. 812-350-5417
garyindiana46124@yahoo.com

*Here's wishing all
the BCRCF
club members a
SAFE AND
HAPPY NEW
YEAR!*

