


The Transmitter

Suburban RC Barnstormers - P.O. Box 524, Bloomingdale, IL 60108

AMA CHAPTER 640

September 2022

<http://www.suburbanrcbarnstormers.com>

Coming in September and October

September 12th, Monday, Membership Meeting, Itasca Public Library/ZOOM, 7:00pm start

September 18th, Sunday, Fun Fly #5, Pratt's Woods, 9:00am gather, 10:00am start.

September 26th, Monday, Board Meeting, ZOOM, 7:00pm start

October 10th, Monday, Membership Meeting, Itasca Public Library/ZOOM, 7:00pm start

October 24th, Monday, Board Meeting, ZOOM, 7:00pm start

Plane Giveaway! – Next Meeting

By Bob Vance

Over the years, the club has received donations of airplanes and related items. Our goal at the September meeting is to disperse among the club members present all the PLANES currently being stored. (Future giveaways/auctions will disperse engines and other RC airplane items.)

We'd like to ensure that all members in attendance get a fair chance of obtaining a plane. Therefore, there will be a giveaway OR auction for each one.

The available planes will be identified by a photo of the plane available, or if we don't have a photo just the NAME of the plane, on a sheet of paper. There will be spaces for the name of interested members and for a bid if it's needed.

If more than one member expresses interest, there will be an auction for the item. Next to your name you can enter "NO BID" or an amount of \$1 or more. As with a regular auction, the highest bidder wins. If you are the only member interested – Congratulations – the plane is yours!

At some point during the meeting, we will collect the papers and pause to announce the winner for each plane. If there is a bid involved, the winner should pay that amount to the treasurer and take your plane.

The treasurer may keep the bid sheets to help him keep track of any monies.

Presentation on Spektrum Wireless Trainer Setup

Larry Amiot has been anxiously waiting to give his follow up presentation to the one he gave in July on setting up your Spektrum radios for wireless "buddy box" flying. Buddy box flying is a great way to give students valuable stick time with minimal risk to the airplane since it allows the instructor to quickly take over control. This used to be done using a cord, but now it can be done wirelessly!

Larry showed us how to do this but now is ready to follow up with answers to questions raised at the presentation. Questions included how the trim and other settings on each radio affect the controls.

Come to the meeting and get the answers!

Meeting Notes for Membership Meeting

August 8, 2022

ATTENDANCE

There were 7 members present at the Itasca Library and 3 additional members on Zoom.

OFFICER REPORTS

President: Hector Rivera welcomed members to the meeting.

Hector spent time at AirVenture in Oshkosh this year. He said it was a great experience and enjoyed seeing the C-17's, Osprey's, U-2 and Helicopters. There is something for everyone there!

Hector said he was looking forward to the interclub fun fly and had some great food planned.

Next member meeting is September 12th and Board meeting is September 26th

Vice President: Paul Kramer had a number of door prizes for the evening. These include glue, rubber bands, and forceps.

Paul said he had recently drafted a copy of AMA Form 925 and solicited comments. There were a number of suggestions he will incorporate before submitting it.

Secretary: Scott Taylor has a lot of name tags for members to pick up. The best way is to get these at a meeting, but you can make arrangements to get them at the field.

Treasurer: Larry Amiot reported on the club balance. He noted one recent new member, Bill Schroeder.

COMMITTEES

Fun Flies – Fun Fly number 4 is our interclub fun fly with the Prop Masters and is scheduled

for Sunday August 14th. This will be at our field and is a two-minute timed event. Activities start at Noon and the competition starts at 1pm. Because this is starting later than our normal fun flies, we will be cooking and serving food before the competition. Hector has burgers planned.

BUSINESS

Promoting Flying – We are always looking for ways to help promote our hobby. **Paul Kramer** said we have access to some Delta Darts and might consider a build event with Scout troops or other groups. We have done similar activities in the past.

RC Hobby Items Available

Bob Vance said he was contacted by a former member named Wayne Tasic. He was looking to get rid of his RC hobby items. There will be more about these items soon.

Hobby Shop Experience – Miguel Arroyo

said he had an unpleasant experience with Value RC in Villa Park and suggested we remove their endorsement from our newsletter. Please let us know if others have had issues with Value RC.

ENTERTAINMENT

Larry Amiot planned to do a follow up talk to answer questions raised on the Spektrum wireless buddy box setup. But because of the low attendance decided to wait until the next meeting.

DOOR PRIZES

Bob Vance was the door prize winner and **Paul Kramer** won the turkey.

Interclub Fun Fly 2022

By Ernie Blenkle

Both clubs were well represented 6 Barnstormers vs. 9 Prop Masters plus many visitors and spectators.

The weather was of great concern as the winds were angling from the Northeast with heavy cloud cover and throughout the contest, we had intermittent light showers.

We shared a lunch meal (excellently prepared hamburgers) before the contest started...thanks to Hector Rivera and Miguel Arroyo!

The Barnstormers got off to a good start however the Prop Masters were spot on with their times and very consistent flight after flight.

We were treated to an impressive mid contest demo with a 500 series helicopter (Thanks Esther).

A second round was allowed for the Barnstormers to improve their scores, however that only helped slightly.

We finished off the festivities with some Danish pastries and long conversations in the parking lot bidding farewell to our neighbors to the South.

Special thanks to Tom V (timing) and Ron W (Score keeper).

We'll get 'em next year!



Zoom Information for September 12th Member Meeting

We will likely continue Zoom unless we find there is no participation, or in cases where weather prevents attendance in person.

*Topic: SRCB September Membership Meeting
Time: Sep 12, 2022 06:45 AM Central Time (US and Canada)*

Join Zoom Meeting

<https://us02web.zoom.us/j/88032865395?pwd=VFFuOWtxOXJMNXhzK1ZtTIBTenphQT09>

Meeting ID: 880 3286 5395

Passcode: 351012

One tap mobile

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Dial by your location

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Meeting ID: 880 3286 5395

Passcode: 351012

Spitfire Maiden Flights

By Paul Kramer

During the rainy weather 2 weeks ago, I did the final setup of my Spitfire. Control surface direction, neutral point, control throws, expo. Engine idle & cut off, elevator mix with flaps (and how fast the flaps deploy), Check the CG (I added 2 oz in the nose for good luck). Range check in the backyard. Failsafe settings.

August 23 was the first flight of my Spitfire. She flew beautifully with no trim. Every other plane I built needed at least aileron trim. The Spit was very stable. I will take the nose weight out (I hate added lead weight). My Spitfire weighs 6 lbs. 14 oz. as built. Its OS.46 engine was provided by Ernie Blenkle. It swings a 11x6 prop @ 11,100 RPM

The original plans are from AMA, shrunk slightly to 56 in. wingspan. The modifications I made as I built the Spitfire worked out:

Fuselage:

Added nose wheel for easy takeoffs and landings (I hate

walking out into the field for a plane that flipped over). Three inches vs five inches wide (the fuselage looked too fat). Nose 2 1/2 " longer to balance the heavy built-up airfoil tail. Cockpit moved forward to balance long nose appearance. Balsa ply for bulkheads and miscellaneous structural changes. 2 degrees right thrust, 2 1/2 degrees down thrust to minimize engine power changes. I was lucky to find a Spitfire canopy spare part -GPMA2825 for a Great Planes ARF at Tower Hobby

Wing was redrawn:

NACA2413 semi-symmetrical airfoil (I used a wing layout program that adds building tabs to help make a flat wing with washout) moved main landing gear behind the CG for tricycle landing gear. Larger ailerons, added flaps for more control, 2

degree washout 1.2 degree positive incidence for stall predictability, 5 inch dihedral for stability.

Tail:

Looked to small. I didn't want Dutch roll.

Fin/rudder area increased 62%, stab/elevator area increased 50%.

Murphy did have a say:

The nose wheel steering arm was loose -I had to remove the cowl to tighten it. Now that I could taxi straight, I made a long takeoff run to gather speed and gently pulled back for a smooth takeoff. After a few laps to check trim, I made a nice tall round loop -enough power is available. But when I landed, a main wheel rolled off its own way. Fortunately, I had a spare 5/32 wheel collar.



Next flight I tried some simple aerobatics, loop with roll on top, stall turn arounds, Immelmann turn arounds, Cuban eights. After I landed, I noticed that the engine seemed oily. The copper glow plug washer was missing???

Next flight, I practiced circling, flat figure eights crossing in front of me, and landing approaches. I found this plane doesn't stick to the ground like my Gimlet. My Spitfire made a long shallow bounce. So, I just gunned the engine and scored that maneuver as a Touch & Go. Landing after my usual 8-minute flight (I'm saving gas), I saw the muffler was loose. Considering it's been a long time since I last lost a wheel or a muffler, I went home while I was ahead.

Now, a dozen flights later, I'm still dialing in: elevator-flaps trim, more aileron throw (rolls are too slow), and see if I can lean out the engine a bit.

My version of Murphy's Law:

"It already has gone wrong. You just don't know it."

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This newsletter is published monthly by the Suburban RC Barnstormers, Inc.

We reserve the right to edit all information forwarded to us. Permission is hereby given to reprint any article that we publish as long as proper credit is given.

Material can be submitted for publication: (1) at a meeting, (2) by mailing to Suburban RC Barnstormers, Inc., P.O. Box 524, Bloomingdale, IL 60108, (3) sending it to the email of the editor, Scott Taylor, at Editor@SuburbanRCBarnstormers.com

Articles must be received by the 3th Saturday of the month to be included in the following month's newsletter.

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