

Lake County Radio Control Club

Fly Paper



AMA CHARTER CLUB #777

April, 2019

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Opening Day



RADIO CHATTER

Flypaper invites your contributions. If you get a new aircraft, or do something of which you are proud, or have a . . . uh . . .uh . . . “learning experience” with a plane or heli, or anything good or noteworthy to share, let Jack Cutrone know and he will write it up in the next Flypaper. His email and phone number appear in the masthead at the top.

After running the above invitation since this writer took over, we are getting some contributors. They are always welcome. In this issue, we have a short article and some photos from **Ryan Smith** about the Florida Jets event, some photos from **Mike Taylor** showing a new head and blades he put on his turbine heli and a part of **Wally Szempruch’s** build log of his big P51 Mustang relative to an engineering problem he solved. Let’s keep it up guys.

Ryan Smith and Chuck Smith at Florida Jets. Here’s what Ryan had to say:

On March 23rd Chuck Smith and I attended the annual Florida Jets event in Lakeland, Florida hosted by Frank Tiano. There were around 100 pilots in attendance from around the world for the three-day event, and several manufacturers and distributors were there as well such as Bob Violet Models (BVM). Most of the airplanes were turbine powered, however there were a few EDF jets and turboprops. Needless to say, these were high-end models, and most were very large. Interestingly, the fastest airplane there wasn’t a jet. That honor goes to a small, electric powered, propeller driven glider that was faster than anything I’ve ever seen — your eyes almost couldn’t keep up with it.





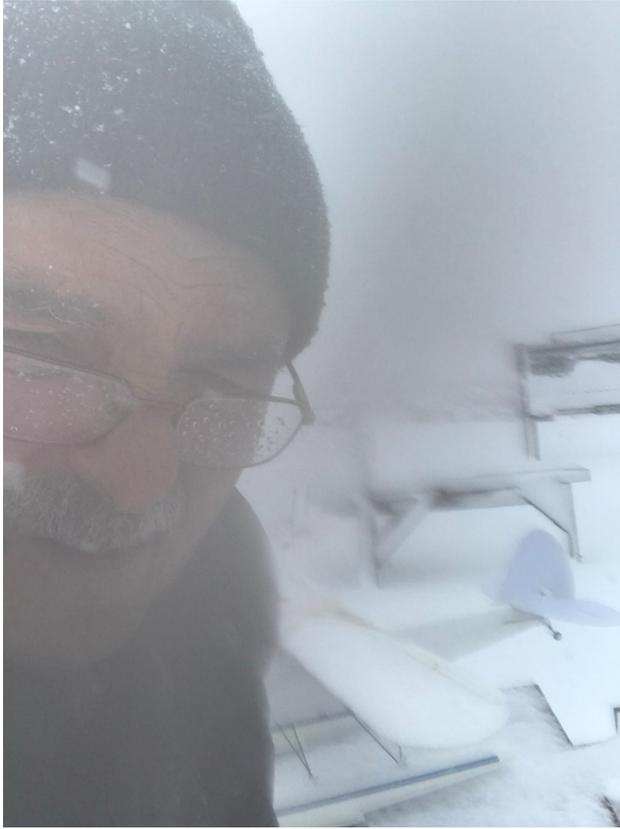
(photos courtesy of Ryan Smith)

Thanks Ryan.

Opening Day – April 14, 2019



The opening event of the 2019 season was rather sparsely attended. But wait, was that an airplane we saw in the cover photo?



At least one dedicated member showed up to the event with his Parkzone Super Cub on floats. **Jack Cutrone** said of the day, “Neither rain, nor snow, nor sleet, nor hail shall keep a true dedicated RC man from his appointed flights.” The white plane in blowing snow was not exactly ideal.

We thought that snow on April 14th ought to end it for the season, only to be battered with another snow storm on April 27. Okay, we have had enough of this.

The next Sunday, Easter, however was ideal.



Rev. Terry Peterson(R) leads George Ulrich (L) and Red Matson (C) in Easter Services.



John Grimes mod'ed his repainted Gee-Bee to 4S and put in a hot motor. Jeez, that sucker is fast.

Mike Taylor's new head and main and tail blades painted in keeping with the scale look. Pretty snazzy.



Wally Szempruch contributed part of his build log on his giant scale P51. Though he didn't invent the solution to his engineering problem, as always, his execution was perfect.

“Battery Switch Install

I had already determined that I wanted the switch up front near the batteries to help balance the CG. I searched the internet for ideas on making a hatch. I found some good ones by expert builders, but one concept offered was a rotating door using a wire and a tube for a hinge. It was a simple concept where you'd push on the bottom (or top) of the door, and because it was offset, the door would rotate open. I really liked that idea. I implemented that concept which was only a diagram and used a piano hinge and magnets to keep it closed instead of a latch mechanism. Here's what I did to hide a Miracle Switch with charging ports for my LiFe batteries.

I picked a location where it was easy to cut through the fuselage and to hold the switch box that I would make. I made sure the switch box would sit on the motor mount box that I made for my motor mount.



The switch box is made out of 1/8" plywood and is roughly 3 1/2" by 1 1/4". I built the 4 sides supporting them with triangle stock. I then sized a plate. I first hogged out and fitted the switch. I glued the plate to the edge of the box. When the epoxy set and after sanding the box square, I used a band saw to cut the box in two pieces allowing enough clearance to recess the switch, about 1/2". I then glued the cut off piece onto the back of the plywood plate to rejoin the box. This seemed easier to me than making two independent boxes, but that's up to you if you copy this.

The door is offset about 1/2" which was just a guess on how much push I would need to open. You have to watch out for the way the piano hinge rotates and also drill extra holes to offset the tiny screw heads from hitting each other. Here's where I thought of using large steel flathead screws instead of opposing magnets. One wasn't strong enough so I placed in a second magnet and wood screw. Later I found out how that really turned out to be a good idea and helped me which I will explain later.



I checked for fit into the fuselage. I had to cut out some of a shelf I installed earlier and I mounted the switch box securely with epoxy. There were large gaps around the edges so I installed 1/32" plywood strips to form a clean and solid frame that fit to the hatch door. I used light weight epoxy putty to fill the gaps and sanded the frame flush to the fuselage



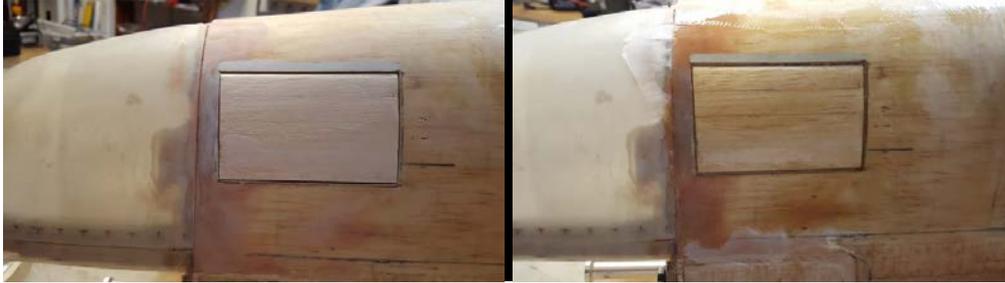
I used some of the putty to stabilize the long screws I used. Here is where the screws work out nicely. The door was uneven with the outside of the fuse. I was able to adjust the screws out till the door was fairly parallel to the fuselage. This was a chance happening. I wish I could claim I thought about this in advance, but this technique really minimized the filler I would need to make the door flush with the fuselage.



Soft balsa stock 3/8" was used to plank the plywood door



I spackled any low spots before glassing the door to make it a hard surface.



I tried to make the door and fuselage gap as small as possible, but note that the larger gap at the top (actually will be at the bottom) which had to be rounded slightly to allow rotation. The door shuts nice and solid and is easy to open. Overall, I think it's a good concept. It avoids the latch and makes it look a little more scale like which I call "Pseudo Scale." I wish I could find that post again to give credit to the original poster."



Show and Tell, April 4, 2019 Meeting (photos courtesy of Bill Rago)



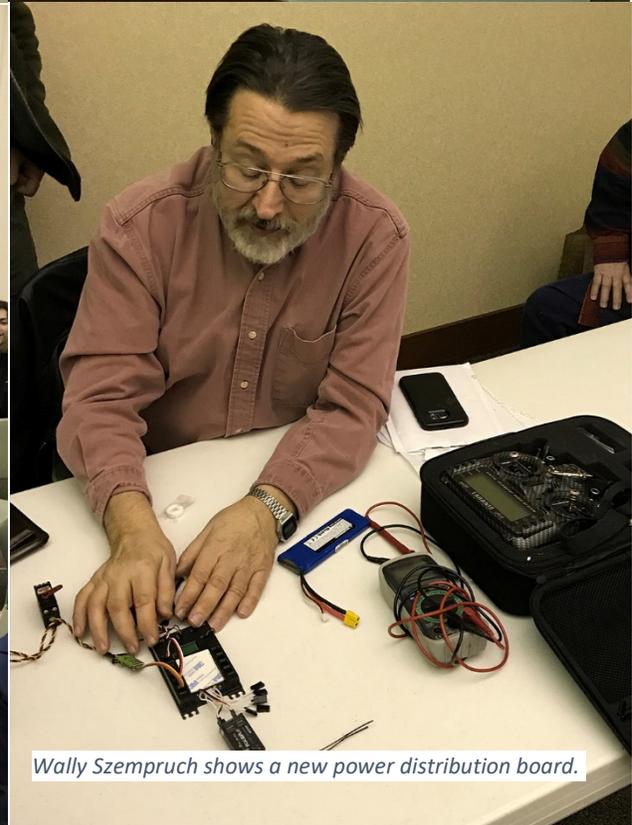
Dave Harrington shows his new Blade Inductrix Switch Air which goes from quadcopter to flying wing with the flip of a switch.



And he gave a demo flight in the meeting room.



Glenn Learnahan and Nate Henry (l-r)



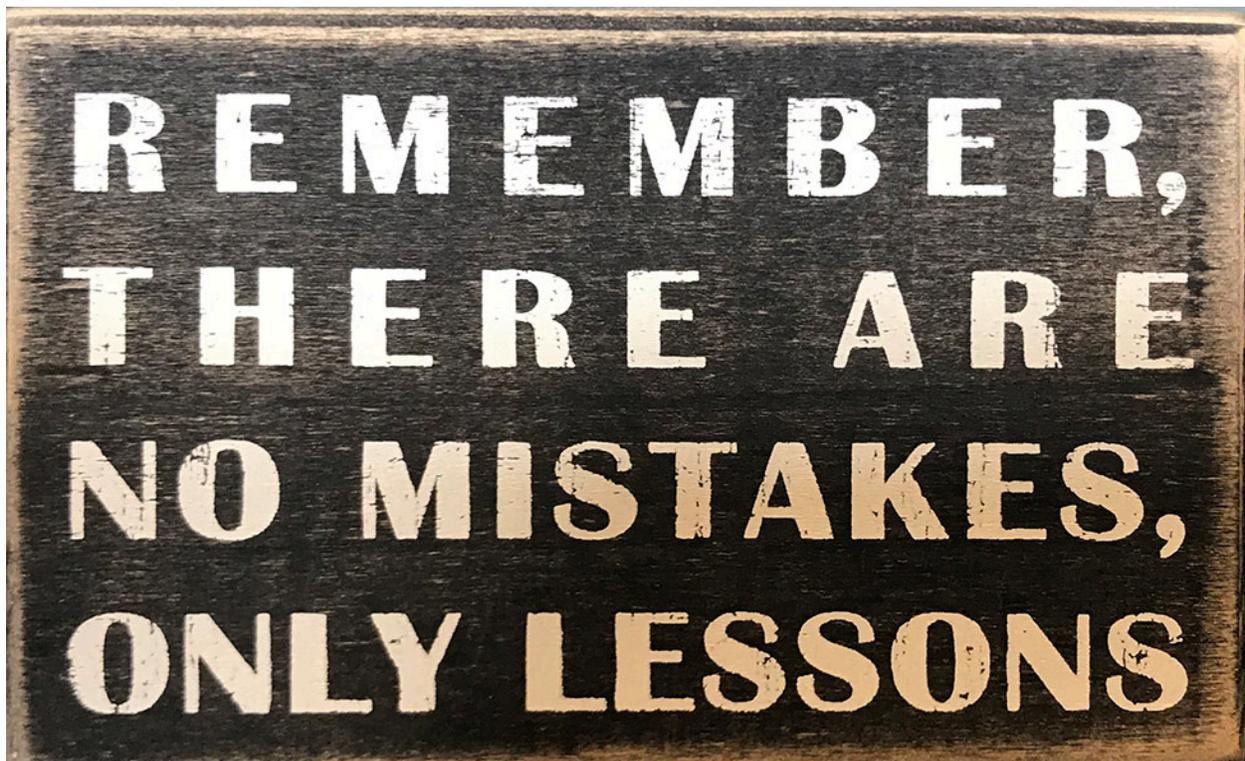
Wally Szempruch shows a new power distribution board.

At least one good thing about the tree and brush trimming up at the field – the contractor cut down all the brush in the trees north of the field. If you have ever had the experience of having to go there looking for a lost plane, you probably remember the thickness of the brush; the buckthorn, wild roses and raspberry canes that stuck you and caught on your clothes; and all the vines that were waiting to trip you. Well, that's all gone now.

John Grimes had the hatch to his Gee-Bee blow off in flight and it came down in the trees. John and **Jack Cutrone** searched for it. John found his battery hatch and Jack found parts of a couple of planes. They are pictured right and if they are still of any use to you if you're the one who lost them, contact Jack and arrange for their return.



For which, this may be apropos:



**Treasurer's Report For
April 2019**

(Represents March 2019 Activity)

Opening Checking Balance	\$ 7,258.32
Dues	750.00
50/50 Raffle	28.00
Sticker Sales	3.00
Total Receipts	<u>781.00</u>
Gary Shakin (mower battery)	\$ (42.80)
Total Disbursements	(42.80)
Ending Checking Balance	<u>\$ 7,996.52</u>
Bank Balance	\$ 7,996.52

April 4, 2019 LCRC Meeting Minutes

The monthly meeting of the Lake County Radio Control Club was held at the Lake Villa Library, 1001 East Grand Ave, Lindenhurst, IL. **Gary Shaken** called the meeting to order at 7:17 pm with 18 members present.

Secretary's Report:

The previous month's minutes were accepted as written in the monthly "FlyPaper"

Treasurer's Report:

The treasurer's report was presented by **Chuck Smith** was accepted as written.

Field officer's Report:

Glen Learnhan said the field had been rolled once, the riding lawn mower thanks to **Rick Landt** is in tip top condition. Oil has been changed along with blade sharpening and mouse nest removal allowing the engine to breathe better. Rick also tightened the engine hold down bolts, the tractor is almost ready for summer use, and just needs blades replaced or sharpened... thanks Rick!

Field Safety Officer's Report:

No issues to report. **Steve Yeaton** reminded all the next meeting will be held at the Lindenhurst Village Hall May 2nd and is booked through December 31, 2019.

Events Director's Report:

Wally Szempruch sent out the below 2019 events schedule – great work Wally!

- April 14, 2019, Opening Day, Host: Wally Szempruch Coffee & Donuts (Note: date was moved to accommodate club members going to Toledo.)
- May 5, 2019, Theme: Biplanes and Giant Scale, Host Bill Rago
- June 9, 2019, Theme: Cub / Sport Plane, Host Eddie Okrzesik
- July 7, 2019, Theme: Warbirds and Electric Planes, Host TBD
- August 11, 2019, Annual Club Picnic – Jim and Joan Doubek
- August 17, 2019, (Saturday) National RC Day - Not a cooking event. Merely to come out and fly and enjoy our hobby.
- September 7, 2019, Hold for possible Waukegan Airshow attendance.
- September 8, 2019, Theme: Heli's and Quad's, Host Len Martin
- October 6, 2019, Theme Jets, Host Gary Shakin

Note – we need a volunteer for July to host the event. Do your part. Contact Wally

Old Business:

Monthly meetings will be held at Lindenhurst Village Hall till the end of 2019.

New Business:

Chuck Smith will call the porta potty company for another season of service.

New Members:

Please welcome Rich Granite to the club, Rich is an experienced RC pilot who is an officer/member of at least one other club. He knows many former members of our club and is eager to fly at our field... Welcome to LCRCC Rich!

Show & Tell:

Dave Harrington brought a tiny VTO Horizon Hobby Inductrix Switch Air to show us and flew it around the room! Thanks Dave!!!

Wally Szempruch brought in his new HobbyKing power distribution board capable of supporting "S Bus" along with two redundant battery inputs which run all electrics including CDI ignition cutoff about \$85.00 for HK... Thanks Wally!!!

On a motion and second Gary ended the meeting 8:17 pm

Bill Rago Recording Secretary

2019 Upcoming Events Schedule

- May 5, 2019, Theme: Biplanes and Giant Scale, Host Bill Rago
- June 9, 2019, Theme: Cub / Sport Plane, Host Eddie Okrzesik
- July 7, 2019, Theme: Warbirds and Electric Planes, Host TBD
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- October 6, 2019, Theme: Jets, Host Gary Shakin

Note – we need volunteers to host July 7, 2019. Do your part. Contact Wally Szempruch to volunteer.



Lake County Radio Control Club Officers

President: Gary Shakin	(847) 997-2744	epoxyone@aol.net
V.P./Safety Officer: Steve Yeaton	(847) 356-8130	hiflyer9@gmail.com
Treasurer: Chuck Smith	(847) 362-8865	crolsmi@aol.com
Events Director: Wally Szempruch	(847) 340-5641	walter.szempruch@comcast.net
Secretary: Bill Rago	(847) 489-8871	recumbentmister@gmail.com
Field Director: Glen Learnahan	(847) 624-2325	bowing@comcast.net

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