



February 2005

The Fox Valley Aero Club

Flypaper



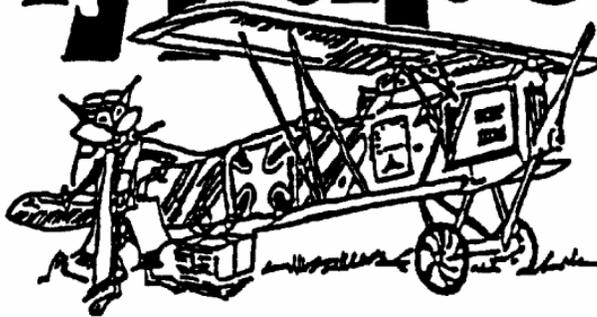
February 2005

Club President
Jeff Anderson

Club Secretary
Julian Pugh

Club Vice President
Paul Douds

Club Treasurer
Don Bennis



AMA Charter 252

Newsletter Editor: **Marty Davis**



AMA Charter 252

Message from the President

There is a lot happening in the Fox Valley Aero Club, even with the snow on our runway. Thank you to all the members that keep our club growing and moving forward in an exciting new direction!

Just to name a few of the happenings:

The Grand Opening Day on June 11th is being combined with the "Kids Fly Day". This is going to be great! Greg and Cheryl Bohler have been planning this event. From what I have seen so far, Fox Valley Aero will absolutely have an awesome Grand Opening event!! We will need TOTAL Club support at this event as all of St. Charles will be there watching.

The field is finally ours!! I signed our lease with our fellow flyer and Club attorney Mike Wlodek. It has been in the works for a year. A tremendous amount of work from many people who made this possible!!



Windy City Jets is coming along. Visit www.windycityjets.com for all the info. We now have 3 Jets in our raffle!! Make sure that you are in on that!

Festival of Giants is starting to get better every day. (Coming Soon www.festivalofgiants.com) All info will be on the site. Again we need everyone out to help! Please raise your hand and ask. Loan Reduction Lottery is Happening!! There is still time to get in and help your Club! I need to have everyone's chip in the drawing jar by March Board meeting. I would love to have as many people in as I can get. Please contact me if you can help or have any questions. Cell 630-803-8940 Anytime!!

We are giving out certificates that say this:

Field Loan Reduction Lottery, Fox Valley Aero Club....Let it be known that _____ has invested \$1000 into the Field Loan Reduction Lottery Fund and will have Lottery Chip #__ inserted into the FVAC Lottery Drawing Jar in his/her name. The Lottery Chip will be redeemed for \$1000 when the Lottery Chip is drawn at one of the lottery drawings scheduled by the FVAC Board of Directors."

Keep Building!! Quality not Quantity!



Jeff

Fox Valley Aero Club
General Business Meeting Minutes
January 13, 2005

President Jeff Anderson called the meeting to order at precisely 7:30 P.M, by introducing the new club officers for 2005, and having each give a short bio:

Paul Douds, Vice-President

Don Bennish, Treasurer

Julian L. Pugh, Secretary

President Anderson then introduced the new FVAC Board Members for 2005:

Bob Walker Homer Lannoye

Ken Kaiser Greg Bohler

Bill Sponsler Dominic Saverino

Julian Pugh then introduced the new "Field Loan Reduction Lottery" to the members. The Board of Directors has empowered the FVAC to issue 50 Lottery Tickets, valued at \$1,000.00 each to members who wish to make an interest free loan to the FVAC. This money will be used to pay off the outstanding field loan, which now totals \$49,250.00. A chip for each ticket sold will be placed in a drawing jar and one chip (more at the option of the Board) will be drawn each month. The person holding the Lottery Ticket that matches the chip will be reimbursed at that time for the \$1,000.00 paid for the Lottery Ticket. Payment of the \$49,250.00 will save the FVAC approximately \$400.00 in interest each month.

Don Bennish gave the Treasurer's report to the club. It was approved by vote of the members.

Julian then presented the minutes for the December meeting and the minutes were also approved.

Lee Patterson, giving the Field Report, reported that orange fence has been installed along the south side of the road.

Karl Griesbaum, reporting for the Safety Committee, reported a new frequency board will be available in the spring.

President Anderson appointed Allen Galle as the new Fun Fly Chairman. President Anderson appointed Bob Walker to the City Relations Chairman.

Chief Flight Instructor Dan Compton reported on two Flying Lessons at the FVAC Field that were donated to the St. Joseph Hospital Homeless Shelter Raffle. Dan has agreed to give the lessons and Julian has agreed to supply the trainer and fuel. Hopefully, we will make a contribution to the homeless.

Newsletter Chairman Marty Davis outlined a plan to e-mail the newsletter to members who have e-mail capabilities. E-mailing the newsletters, in lieu of mailing them, will have a very positive impact on expenses over the next year. The Flypaper will only be mailed to club members specifically requesting the paper by mail.

Swap Meet Chairman Julian Pugh reported on progress for the February 12, 2005 Swap Meet. Things are progressing well, and we still need equipment donations from our members for the FVAC Table at the meet. Dig down and pull out your old engines, airplanes, tools, etc. and donate them to the club. Contact Julian or Mike Kostecki, if you have questions.

(Continued on page 3)

(Continued from page 2)

The first reading was made to amend Article VII of the constitution to include the Membership and Newspaper Editor to the FVAC Board of Directors.

President Anderson presented a tentative schedule of events for 2005. They are:

FAC Swap Shop 2/12/2005
 Grand Opening Festivities/Kids Fun Fly 6/11/2005
 Pylon Races 6/19/2005
 Al's Hobby Shop Helicopter Meet 6/25-6/26, 2005
 Windy City Jets Meet 7/15-7/16-7-17, 2005
 Festival Of Giants 7/22-7/23-7/24, 2005
 Pylon Races 8/4/2005

This is a full plate, but hopefully these events will generate much needed revenue for the club.

President Anderson adjourned the meeting at 8:15 P.M.

Bill Gregg and Frank Delgiudice gave a very nice presentation on Pattern R/C Flying and displayed a beautiful Pattern Ship for the members to inspect. There was a lot of interest in this presentation.

Bill and Frank have requested we consider sponsoring a pattern contest this summer. There is a severe need for a good pattern contest in the Chicago Area. This seemed to elicit a lot of interest.

Almost Ready Corsair and Great Price on Lead by Al Trevino

The model is from Kondor Model Products and it's made in China. They make many models all fiberglass ARFS. The one I bought is the 90 size F4-U Corsair with a 71.5 wing span, fuselage 52 inches. It has 3 Split Flaps on each side and Rotating Air Tracts from Precision Air. I have a SAITO 1.20 using Futaba electronics. It takes 8 servos. After putting it together I found that it needed a 1 lb. weight mounted onto the engine mounts for it to balance. Needless to say, I was stunned. So I then thought, where can I find a 1 lb. lead weight? I got onto Google and looked around, and I found a gentleman that molds all kinds of stuff out of lead, metal, zinc etc.. So I emailed him and bought some lead weights to fit on the front of the motor mounts by drilling two holes and mounting the 1 lb. lead weight all the way in front. So if anyone needs some molded parts (CHEAP) or some lead weights (HEHE). I am sending along his advertisement with his address and email address. Pope Toy Soldiers, 5330 W. Lamar, Glendale, Arizona, 85301-3435, email: Davrbils@aol.com



From the Desk of Jason Walsh
Membership Chairman

Snow laden and spring-wishing members,

February 10 is quickly approaching, and with it comes the due date for the assessment and membership dues. Don't miss out on the first year with our new field and renew today! For those that don't know me, my name is Jason Walsh. I have assumed the membership chair responsibilities from Al Zabel. He has done an excellent job for us in the past, and I hope to follow in his footsteps.

In other news, Marty, our newsletter guru, needs submissions! Here's what he has to say:

Members,

If you have anything to add to your favorite club newsletter, now is the time. Usually the cutoff for including something in your newsletter is the 24th, but your editor fell asleep at the switch this month. So I want to extend that cutoff date to Thursday the 27th, to give you enough time to send in your news for the Flypaper. Please, don't reply to Jason, but instead send to me at: Flypapernews1@sbcglobal.net.

How about sending me something for the Good Eats by Whoever, new projects you have going, painting tips, covering secrets, info on the mysteries of electrics, or any new products that you have had good or bad luck with? The list goes on and on, so let's give me a hand in filling all of those empty pages. If you want, just send me a rough draft, and my number one proofreader will tune it if needed.

Thanks, Marty

One more thing. We are in the process of distributing the newsletter through e-mail. It will be in PDF format, and we will try to keep the file size as small as possible. If you do not want an email copy of the newsletter, please let me know, and I will remove you from the distribution list. Most clubs are now emailing their newsletters, and we would like to do so as well because with the membership numbers we have, mailing is expensive. Please let me know if you have any concerns or questions, and I'll be happy to help.

In the meantime, build straight!

Jason Walsh

Open Email to the Club Sent in by Paul Douds

Dear Fox Valley Aero Club members,

TrueRC would like to offer you a club deal on li-polymer cells. We currently offer 2100 mAh and 4000 mAh cells. Minimum club purchase of 40 cells (in any combination) is required.

2100mah are \$8 per cell

4000mah are \$13 per cell

Please email me or call with any questions or concerns or visit my new web page <http://home.comcast.net/~truerc>

Best Regards,

Daniel Naumowicz

TrueRC

Breaking News: Field Loan Reduction Lottery !!

If you missed our Jan. 13, 2005, general meeting the Field Loan Reduction Lottery was covered. Our new Secretary, Julian Pugh, introduced this lottery to the club at our general meeting. We have a \$50,000 loan at Old Second Bank signed by 3 of our club members. The interest floats and adjusts with the prime interest rate, and the interest keeps going up. If we pay it off by using this lottery we will save more than \$16,000 in interest. Get 50 club members to "loan" the club 1000 dollars for five years interest free. You lose nothingyou will get your money back. Now the club has 50,000 dollars up front to work with. At the March meeting of 2005 after the dues have come in, put all 50 names in a jar and draw out a name. That person gets his 1000 dollars back. The name/chip is only drawn once the Club's balance is in excess of \$10,000. You will receive a certificate signed by our president, Jeff Anderson and Secretary Julian Pugh that says the following: "Field Loan Reduction Lottery---Fox Valley Aero Club...Let it be know that _____ has invested \$1000 into the Field Loan Reduction Lottery Fund and will have Lottery Chip #__ inserted into the FVAC Lottery Drawing Jar in his/her name. The Lottery Chip will be redeemed for \$1000 when the Lottery Chip is drawn at one of the lottery drawings scheduled by the FVAC Board of Directors." If you are interested in investing \$1000 with the club, call any officer or board member. See you at the new airfield? By Paul Douds

Dates to Remember by Paul Douds

Swap meet -- Sat. Feb. 12, 2005, 8:00 am to 2:00 pm-CD-Julian Pugh-Get your old airplane "stuff" to Julian for the Club's Table. June 11, 2005 Grand Opening & Kids Fly Day - Greg and Cheryl Bohler, Jeff Anderson-CD's June 19, 2005 - Pylon Race - Jim Hagner & Mike Kostecki CD's June 25 & 26 Heli Meet - Cindy Fuchsen CD July 15, 16, & 17, 2005 - Windy City Jet Meet - Jeff Anderson, Dave Murry, & Tim Redelman - CD's July 22, 23, & 24 - Festival of Giants - Jack Treadman - CD Sept. 4 - Pylon Race - Jim Hagner & Mike Kostecki CD's Planned but not scheduled yet: Big 3D Event - Dave Gustafson - CD.

Fox Valley Aero Club 's Huge Mega R/C Swap Shop!!!

Mark This on Your Calendar, Saturday, February 12th, 2005

This is the R/C swap shop we have been waiting for all year. This major event is located at the Pottawatomie Park Community Center in St. Charles. Tons of radio control things to look at and buy! Doors open for all of us shoppers at 9am and ends at 2pm. If you want to rent a table it is \$12.50 prepaid or 15 bucks at the door and table setup starts at 8am. Please try and get any donated items for the club table to Julian at the next club meeting. Directions: Take RT. 64 to 2nd Ave. in St. Charles, (2 blocks east of Fox River), turn north on 2nd Ave. and go 7 blocks and turn west (left) onto a street called North Ave. Community Center will be on your right side of the road. What else have you got to do, shovel snow? The whole club will be there. So stop by and say hi!

Table reservations and information contact Julian Pugh at 630-513-1951, julian.pugh@nav-international.com or Mike Kostecki at 630-761-4973, IMAA16955@aol.com

Cell Phone Interference

Taken from "Heli Modifications to Prevent In-flight Self-destruction"

by Steve Jensen

The top of page 10 of the BMFA article below references an October 2004 turbine heli crash that was caused by a cell phone being too close to a transmitter. The other article references the Multiplex press release, which is also on page 6 of the February 2005 Model Helicopter World magazine. Although there's a lack of clarity about whether "synthesized" or "Programmed" transmitters are the concern, there used to be warnings in the literature back when programmable transmitters were first being introduced. The statement in the Multiplex press release is that a programmable transmitter's memory can be changed by the power of the cell phone transmission. I can find no reference to cell phones in my 9C manual. It might be time to renew concerns about keeping cell phones out of pit areas or at least out of your pockets while flying. Ten feet seems to be more than enough distance according to the literature; I'd suspect 3 feet would still be safe, but I won't keep the phone in my pocket while flying anymore and won't put them side-by-side on the front seat when transporting them, either.

<http://www.bmfa.org/clubs/bulletins/files/cb151.pdf>

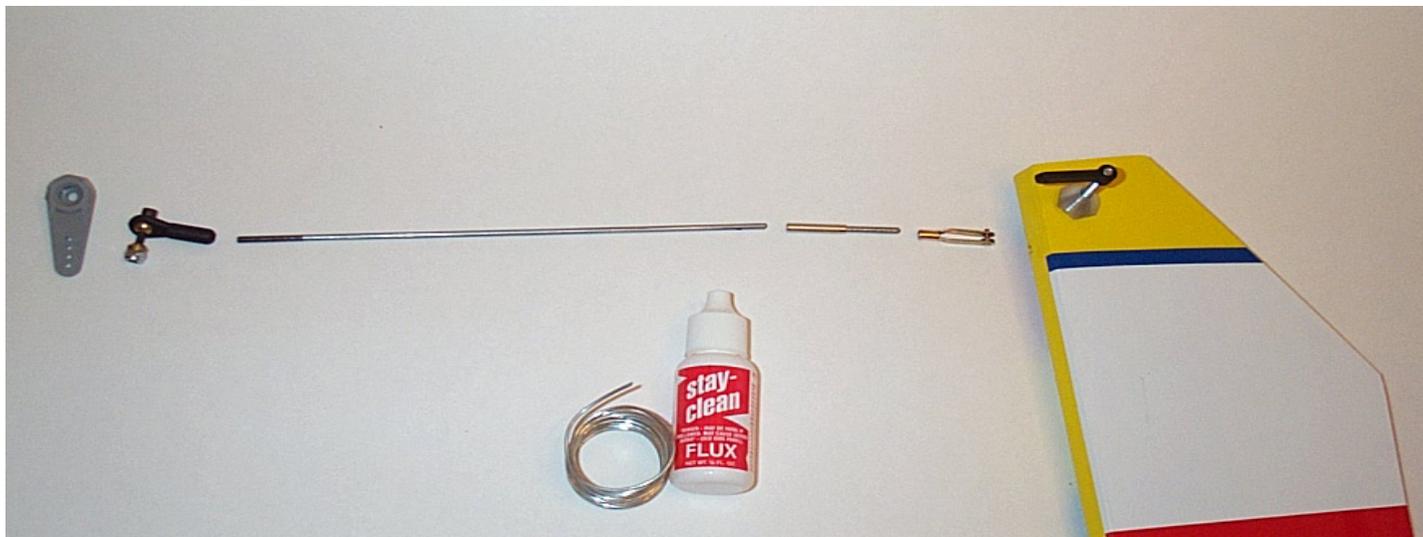
<http://www.rc-soar.com/multiplex/pressrelease.htm>

PATTERN 101

By Club Member, Chris Moon

In order to fly any airplane with precision, you need to have a control setup that provides a solid link between the servo and the flight surface. This is the only way to be able to have a plane that responds exactly the same every time you move the transmitter stick. Last month we discussed a method for installing control horns. This month we will start off with a test. Not for you, but your plane. Turn on your transmitter and receiver, and grab a control surface. Try to move the surface. If you have any movement at all, you must locate and correct the cause of the movement. Starting at the control surface, check the control horn for slop. Remember that plastic control horns can twist and flex under load, and give you a lack of precision. Next, check the clevis; does it fit in the control horn securely, or is there any play? The clevis can also have play when it is screwed onto the threaded rod. Some clevises fit well, others will be loose on the threads, these clevises must be replaced. Next, check the pushrod itself. It should not flex or deflect under load. Many kits and ARFs come with cheap balsa or soft wood dowels for pushrods. These items must be replaced with something more solid if you want a precise setup. There are many options for good pushrods, from solid 4-40 rods to good hardwood dowels to carbon fiber rods with titanium threaded fittings for the ends. Next, check the connection from the pushrod to the servo arm. Again, there should not be any slop or play. As you can see, there are lots of places where you might find a small amount to slop in your setup, and when you add all of the play together you get a control linkage that works against you in your attempt to fly a precise and repeatable maneuver.

For an example of a good solid setup, I have a couple of pictures of one elevator pushrod on my new Yak 54 sport plane ARF by QuiQue Aircraft. This plane uses dual elevator servos in the tail to minimize control rod length. This is a nice quality plane, but even so, I don't use most of the included hardware. Since this is a 72" span plane to be powered by a big OS 1.60, the hardware is going to be 4-40 sized on the elevators and ailerons. I would only use 2-56 only on .60 sized trainers or smaller. Picture 1 shows my preferred setup.



Start with a DuBro heavy duty control arm connected to a 4-40 ball link connector. Next is a length of 4-40 rod threaded on one end and a solder end to provide threads on the other end. Finally is a good high quality clevis and a DuBro 6-32 screw control horn setup like we discussed last month. Also shown is silver solder for attaching the solder end to the rod. To install this rod we first drill and tap the servo arm for the 4-40 ball link and install the nut on the end. Screw the threaded rod into the ball link and silver solder the solder end on the opposite end. Screw on the clevis, and that's it, you should have a solid no slop pushrod for your elevator half. This pushrod pictured measures about 8" from servo arm to the control horn. This is about the maximum that I would use for just a wire 4-40 rod. Any longer and I would use a carbon fiber rod to be sure that the pushrod won't deflect under flight loads.

(continued on page 7)

(Continued from page 6)



Picture 2 shows the completed installation.

Now do the same for the other elevator half and both ailerons too and you will be very pleased with the solid, slop free and connected “feel” of the plane. The rudder uses a pull-pull setup, but we will save that for next month.

A quick lesson now in pushrod geometry. You always want to have the rods set up to use the servo arm hole as close as possible to the center of the servo. This will maximize servo holding power. Also, you want to use the hole as far away from the control surface at the control horn side. This geometry will give you maximum resolution and protection from surface flutter in flight. Of course, you need to adjust the positions as needed to get the desired amount of throw, but these are the “optimum” positions. Also, avoid using the radio to dial down the servo throw to get the desired amount of throw. Let’s say your typical servo has a centering and gear slop error of 1 degree of throw. (I don’t know the exact amount of error; this is just to make a point since all servos have some backlash and slop). If your maximum servo movement is 60 degrees, then your servo error will be 1/60 or about 1.7% of the total throw. Now let’s say you have dialed down your throw at the servo to a maximum of 40 degrees. Your servo error just went up to 1/40 or 2.5% since you always have the 1 degree of error in the servo regardless of the amount of maximum throw. Don’t do it this way! If you want less throw, set the servo to 100% throw and move the pushrod in on the servo arm, or out at the control horn.

I cannot over emphasize the importance of having a pushrod setup that has no play in it. Other than building a straight plane, there is nothing more important than having a slop free pushrod setup. When you roll or loop, you want the plane to respond exactly the same way every time. It must start and stop exactly the same way each time you move the sticks. This applies to all planes, from a .40 sized trainer to a 2 meter pattern plane. We have all flown planes that felt mushy or vague on the controls and chances are it was a result of sloppy pushrods. I have seen pattern planes go from so-so performers to top notch performers with just a replacement of the pushrod setup. Take the time to do it right in the beginning, and you too will have a top performing plane.

Chris Moon
Cmoon767@aol.com

Posted: Motion to Change the Club Constitution

"Article VII, item 1, section C, add the membership chairman and the newsletter editor". This will put them on the board of directors. This motion will be voted on at the February meeting.

Lee Patterson.

This Spot's For You!!!

Our club members' inquiring minds want to know about your latest R/C project. How about something on the fine art of electric airplanes, or tell us how you fixed a problem, maybe a list of great airplane web sites, or then again how about something on the latest airplane out? The list is endless so pick one of a million topics and write down your ideas and thoughts and send it in. Just a few paragraphs would be great. If you want to include a picture, that would be good, too, but only if you want. You don't have to be an expert to send in your ideas or opinions on any R/C subject. Please, do it today. Our inquiring minds want to know! Send it to: Flypapernews1@sbcglobal.net or Marty Davis, 4N609 Pheasant Run Dr., St. Charles, IL 60175

Good Eats by Chef Mark Clausen (NIRCHA)

"It's from a cook so fine I had to marry her."

Calico Bean Casserole: Try these beans for a real treat. They're so good; you'll be tempted to eat them all by yourself, but don't do it unless you live alone! This recipe is simple, but that's not why it's a favorite at my house. They're just plain GOOOOD!

Ingredients:

1/2 lb ground beef

1/2 lb bacon (cut into small pieces)

1) 15 oz. can butter beans

1) 15 oz. can pork and beans

1) 15 oz. can kidney beans

1/2 C. chopped onion

1/4 C. white sugar

1/4 C. brown sugar

1 T. vinegar

1 tsp. mustard (dry)

1/2 C. catsup

1/4 tsp. salt

1/4 tsp. pepper

1. Preheat oven to 350 degrees F.
2. Fry ground beef and bacon together. Drain.
3. Mix all ingredients together.
4. Place in 2-quart buttered casserole and bake for 45 minutes.



Editor: My honey bunch and I have made this many times, and it was everything Mark said it would be and then some! Make a double batch and freeze some of it. Makes for a great lunch on a cold winter's day. I wouldn't steer you wrong on this one, men.

Who in our club has the world's best chili recipe? Send it in!

Ham and eggs. A day's work for a chicken, a lifetime commitment for a pig!

From the Editor...

As you all know by now I have taken on the duties of Editor, Art Director, Graphic Services, Remote Staff, Technical Writer, Advertising, Editorial Coordinator, and Marketing which leaves me little time to gather breaking R/C stories from around the globe. We have a shortage of news, and we just can't have a newsletter without news. So as of 1/14/2005 I have promoted 205 of the best of the best of the Fox Valley Aero Club members to status of Roving Cub Reporters. It will be the job of each and every Roving Cub Reporter to report anything and everything related to R/C. One or two reports a year from each Reporter will be adequate to maintain their Cub Reporter rank.

Out of 205 members we should have a few people who still cook on the grill or in the kitchen. All I need is 12 secret recipes to fill the *Good Eats by Chef Whoever* article for a whole year. I don't want to be the only one giving out all of my family's top secret recipes. Who in our club has the world's best chili or rib recipe? I'm getting hungry just thinking about it.

I attended our last board meeting, and I am still in a daze! There I found all of our board members and other club leaders with their sleeves rolled up, ready to work, and a president, who you could tell right away, really runs a taut ship! Believe me when I say it was all I could do to keep up with the fast pace of what was going on. Everything was done efficiently and very professionally. With this being what I would call a transition year for our club with our great new field, we are bound to have a few growing pains, and I believe these guys will be more than able to handle the job. These are the type of guys who do it right and get it done, under the guidance and leadership of the one and only, President Jeff Anderson.

Next I attended the January club meeting. We should all be required to wear seat belts when Jeff runs these things! It was like being at 6 meetings all at once. He cut through all of the boring dry meeting stuff with a machete and then moved quickly on to the more interesting and fun things, like airplanes. Talk about being fast and efficient. Very nicely done, Jeff, but it may take me a day or two just to wind down after these meetings.

If you want to rent a table or contribute something to the club table at our Huge Mega R/C Swap Shop, now is the time to scrounge around your workshop and dig it out. I have been looking around the house for all of the many R/C things that I have but no longer have a use for, to contribute to the club table. I have to make room for my new interests, so it is time for these good parts to go. Julian would like you to bring your donation of R/C stuff to the February meeting so he can get it organized for Saturday. On the day of the big event I would hope that all of my newly appointed Cub Reporters will be on hand to spend some money and help report on this major club event. This would be a good time for the whole club to come out of hibernation, stop by, spend a few bucks, and maybe even take some timeout for a little airplane speak.

Jason is trying to come up with a magical, no cost way of getting this newsletter to all of the members. Our Web Page is one of the best on the internet and a great way for everyone to view the newsletter, but we feel more people will read it if they have a coffee table version sent to them by email or snail mail.

If you haven't already, visit this Web Site: www.windycityjets.com The *Windy City Jets* event will be held on July 15, 16, and 17 at our field. An event you won't want to miss. I know I will be there all three days, if for no other reason than to hear all of those neat turbine sounds. Don't forget to circle those days on your calendar. Hard to believe, a raffle for three jets!

You don't want to miss the Breaking News story in our President's Message and on page 6 of this newsletter, *Field Loan Reduction Lottery*. With today's interests rates as low as they are, you are lucky to make \$30 per thousand anyway. Innovative idea and a life saver for the club!

In the not too distant past, we have seen three Hobby Shops close their doors in the Fox Valley area alone. We should all make every effort, myself included, to frequent our local Hobby Shops. The hobby shop is at the core of this great exciting hobby of ours and if we don't shop there, who will? Every so often I will place a list of Chicago land hobby shops in the newsletter. Right now I only have, Al's Hobby, St. Charles Hobby Town, and Venture Hobby. It would be a big help if one of our enterprising new Reporters could take charge of this list and bring it up to date to include many of the Chicagoland hobby shops, with addresses, and phone numbers. That would be a great way to contribute to your favorite club newsletter.

Call me a bit old-fashioned, but I have one small request of our members. Since each month we will probably be limited to only ten pages (one ounce for mail), I am asking that we indent and not double space when possible, with one exception, the secretary's minutes. You and I will be doing our best each month to pack this newsletter full of news. Double spacing looks very nice, but it eats up way too much space, and we will not have any of that to spare!

Editor

Marty Davis

Flypapernews1@sbcglobal.net



Remember: The early bird gets the worm, but watch your step, it's the second mouse that gets the cheese!

In This Issue... The Latest Club News, and More!
The Fox Valley Aero Club *Flypaper*

Rush to:

St. Charles, IL 60175
4N609 Pheasant Run Dr.

Martin
Davis

