



Flypaper

December 2011



The *Flypaper* is a
monthly publication of
**The Fox Valley
Aero Club**

An Illinois not-for-profit
Corporation

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AMA Gold Leader Club



Academy of Model
Aeronautics Charter
Club #252



Doug Swanson photo



PRESIDENT'S MESSAGE

Tom Spriet-president@foxvalleyaero.com

Ladies and Gentleman,

On this past Friday, the Fox Valley Aero Club capped off the 2011 season with its annual Christmas party. Our last event of the year was a great success with over 100 members, spouses and friends in attendance.

The final business of the season took place with the election of the board for the 2012 season. You voiced your decisions for the officers and board who will preside over the club business for the upcoming year. I want to thank you for your support and confidence in myself and the executive board to act on your behalf. With the help and support of the other members of the board I look forward to the upcoming year as your President.

Our first event of the new year, Frozen fingers, happens at 10:00am on New Years Day. This is where a few brave and crazy souls tempt fate and defy whatever the weather to be the first in the air. So dress warm, come out and participate. Last year we had at least 2 dozen pilots and spectators that attended with still room for more.

Karol and I hope that all of you have a very merry Christmas and happy new year.

Warmest Regards,

Tom Spriet, President

FROZEN FINGERS 2012

Are you looking for a great way to kick off the new year? Come on out to the field at 10:00 am on January 1st for *Frozen Fingers 2012*.

Bring an aircraft to fly and try to be the "First to Fly" in 2012. Last year Alan Galle took the honors and the trophy. Who will it be this year?



Paul Jacobs photo



FROM THE EDITOR

Doug Swanson—
newsletter@foxvalleyaero.com

Well, here it is:
the last issue for 2011.

Being more involved with the Club this year has been very rewarding. This has been a great creative outlet for me, and I hope you have enjoyed each and every issue that I've produced. I want to thank all of the contributors, for without you, the *Flypaper* would just be a page about me. I have volunteered to continue on next year as your editor — I just ask for one thing: send me some stuff! Just like last year, please send in your photos from the field, your latest project(s), shop pictures, tips and tricks, or anything else that would interest the membership. Something I would like to encourage in next year's issues is the sharing of knowledge. With just over 200 members, we have a great wealth of expertise in our members. Why not share your knowledge with us? Do you have special building or finishing skills? Please share with us. Have you learned a new flight maneuver or skill that could help others become better pilots? Please share with us. Are you experienced in a certain aspect of the hobby (ie: electrics, engine tuning, pattern flying, gliders, etc.) ?

Please share with us.

I look forward to what next year will bring.

Doug

Doug Swanson photos



Back at the August club meeting, Bill Sponsler brought out his latest creation. It's an Aviation Products, Inc. pedal plane — with a twist. The plans specify pedal power, but for Bill that wasn't good enough. His version is self-propelled with the guts from a Power Wheels® children's car. Built from plans, this 1-1/2 yr. build cost around \$200 to complete. Bill's father-in-law helped with the metal welding. Pushing the button on the stick provides 6V power to the motors. Directional control comes from a steerable tailwheel. A motor spins the propeller made of PVC pipe. Lights on the instrument panel add to the realism. Plans can be found at: www.pedalplanekits.com





VICE PRESIDENT'S MESSAGE John Turner—vicepresident@foxvalleyaero.com

The 2011 season is about over and our club members had a great year of flying at the FVAC! Many events generated opportunities to see new models and superb craftsmanship, including the latest electric operating systems. More members are converting their radio equipment over to 2.4 GHz from the old 72 MHz, which will probably be the standard within the next 2-3 years. No doubt, I am seeing less frequency tags on transmitters, as well as ID cards on the frequency board. Our field continues to be one of the best throughout Chicagoland (or within the Midwest), and a lot of thanks goes to all the members and volunteers who continue to make it successful!

Again, our 2011 Christmas Party was another highlight held at the Hilton Garden Inn. Couples enjoyed the holiday cheer with other members including the great music provided by our director Alvin Cole and his band! (Alvin, your son AJ plays a mean set of electric drums!) Congratulations go out to both Paul Jacobs and Doug Swanson for winning the FVAC Top Gun and President's Choice awards, respectively. Secondly, much thanks goes to Dorie Jacobs for setting up the evening functions as well as providing gifts to all the spouses. I know Dorie would like to have assistance for next year and will be looking for some volunteers. Both Al's Hobby Shop and St. Charles Hobby Town made contributions toward the raffles and the Big Dog Award. Our local hobby shops are there to help and be sure to support our hobby by purchasing products. For without them, there would be no raffle or sponsorships at local and regional events!

Our Toys for Tots campaign continues to be supported by our club members with toys and gift cards presented

during our Annual Christmas Party. Sal Perno and I will present the gifts to the Salvation Army this month including additional gift cards that continue to be sent to me through mail or out at the field. Our final annual event will be at Rookies; please plan to attend our Holiday Gathering on Thursday, December 15th from 7:00 -10:00 pm. This will be our last chance to have some food, beverage and gather additional donations for the Toys for Tots. Again, mark the date for December 15th at Rookies in St. Charles off North Avenue starting at 7:00 pm.



In closing, thank you for allowing me to be your VP for 2011, and I look forward to supporting this position and events for the upcoming season. We have our 2012 calendar completed and should be a great year ahead. The FVAC SWAP will be at the Kane County Fairgrounds on Saturday February 25th. Additional tables are still available and Jim Toth tells me this should be a successful event for the club.

Happy Holidays, and see you at Rookies on Thursday, December 15th.

Fly Safe! JT

TREASURER'S REPORT

Paul Jacobs—treasurer@foxvalleyaero.com

Another Christmas party is in the record books and I want to thank everyone for their help and especially Dorie for her work in arranging with the hotel and getting the women's gifts. It was certainly nice not to have to deal with the voting process this year and Secretary Tony Sokol did a great job with the election process and the presenting of the results. It is also good to welcome two new faces to the Board as Eric Karl and Dale Gathman won director at large seats. Thanks to retiring members Mark Knoppkie and Dennis McFarlane for their work last year.

The highlight of the party had to be Alvin Cole and his son, AJ, joining with the piano man, Darwin Noguera, to entertain us for the evening. Well done Al. President Tom Spriet did an outstanding job as emcee for the evening and he presented Doug Swanson with the President's Choice award for the outstanding work he has done on this year's *Flypaper*. Tom also surprised me with the Top Gun award for 2011 and I am honored and thankful that my work is appreciated. It's a good thing flying ability isn't a criteria for that award. 109 attended the event and we distributed \$4,400 worth of raffle prizes this year. Once again, Cindy at Al's Hobby Shop went above and beyond with her discounts and rebates to make this possible and this year Sharon and Ken Kaiser also got involved by donating gift cards to their HobbyTown USA, which has moved to the southeast corner of Randall and

Roosevelt Roads.

I'll be busy now closing things up for the year financially and getting ready for the first Board meeting. Don't forget to plan on attending the FVAC Swap on February 25.

Paul



FVAC Membership Renewal 2012

Dues are now due

Annual Dues remain at \$100

Family Members are \$25 each.

Must be an AMA member and live in the same household.

Children must be 18 or under.

Make all checks payable to the FVAC and send them to:

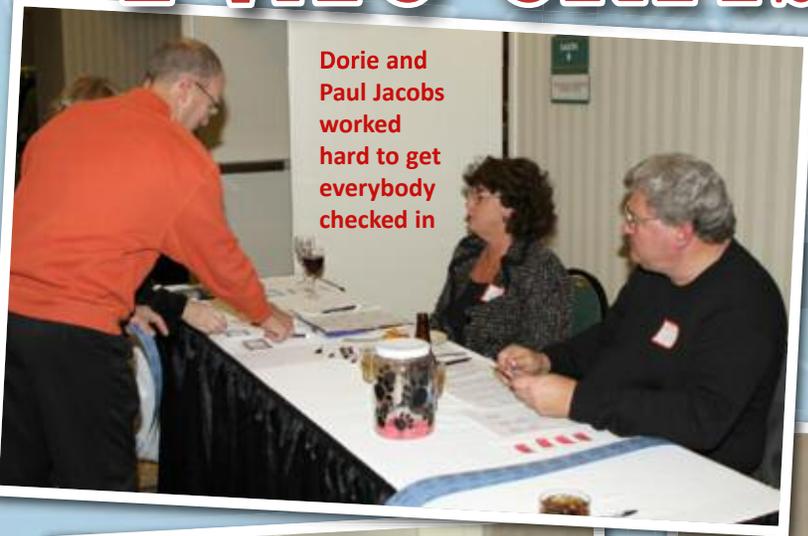
Fox Valley Aero Club
P.O. Box 837
St. Charles, IL 60174-837

or

Paul Jacobs
1010 Bankfield Ct.
Naperville, IL 60540

FVAC Christmas Party

Photos by
Dale Gathman



Dorie and Paul Jacobs worked hard to get everybody checked in



Darwin Noguera, Alvin Cole and Alvin Cole Jr., "A.J.".....AWESOME!



Walt Thyng delivered the prayer





Dorie Jacobs was recognized for all of her hard work over the past year



Paul Jacobs received the Top Gun Award



There were plenty of great raffle prizes to be won...if you were lucky enough!



Doug Swanson received the President's Choice award



John Turner, "JT" was recognized with a Blue Angels signed print



Ken Bednarek won the "Big Dog" drawing...you lucky dog, you!



JT brought his projector to play event pictures throughout the party. Here's a P-47...

?????

The results from this year's mailed ballot election were revealed at the Christmas Party

The Officers remain unchanged for 2012, as they were uncontested in the election:

President Tom Spriet
Vice President John Turner
Treasurer Paul Jacobs
Secretary Tony Sokol

The following members were elected as Directors at Large:

Dale Gathman Eric Karl
Cindy McFarlane Dave Murray
Joe Pedone Dave Todd

The following chairpersons will continue their duties in 2012:

Field Chairman Greg Bohler
Safety Chairman Karl Griesbaum
Membership Chairman Sal Perno
Government Relations Alvin Cole
Flypaper Editor Doug Swanson
Chief Flight Instructor Dan Compton



Your Board of Directors for 2012. L-R: Greg Bohler, Paul Jacobs, John Turner, Karl Griesbaum, Tony Sokol, Tom Spriet, Sal Perno, Alvin Cole, Doug Swanson, Dale Gathman, Eric Karl, Cindy McFarlane, Dave Murray, Joe Pedone, Dave Todd

Great Planes Cosmic
Wind EP ARF Red
GPMA1810

Builders Tip

Dennis McFarlane

Adding a second servo is easy and may just save an airplane.

For Aileron control, the Cosmic Wind Formula-1 racer demonstrated at the November meeting uses the time-proven method of torque-rod activation. This method of control, involving a single servo, has been around for many years and works quite well under normal circumstances. The only real problem is unless the torque-rods are 100% slop free; the system can be prone to flutter at high-speeds. Years ago I crashed an airplane due to aileron flutter. By the time I heard it and slowed the airplane down, it was too late. The servo gears had stripped, all aileron/roll control was lost, and as mentioned, the result was a VPL or Vertical Powered Landing.

The solution is so simple it's been overlooked by many modelers. In the case of the Cosmic Wind a scrap of plywood was cut to accept a second servo. The servos are placed side by side, each driving a separate torque-rod. This provides for second servo redundancy. Should one servo fail, there is still one working.

Although the system can be operated using something as simple as a basic Y-harness there are a number of benefits to using the "two-servo wing" program found on the vast majority of today's transmitters. In the case of the Cosmic Wind, each servo is driven by its own receiver port. This allows for such things as individual aileron sub-trim, and differential throw. Once properly setup and trimmed, differential throw can be used to program most, if not all, adverse yaw experienced during roll maneuvers. The weight of the servo was partially offset by replacing the heavy socket head screws with set-screws and a dollop of green thread locker. The advantage of using green thread locker is it wicks, penetrating the screw threads and seeping onto the pushrods themselves. The result is a strong, but lightweight connection.

The Cosmic Wind's stock single servo application works fine and is totally satisfactory, but in today's market, servos are cheap. The average "standard" servo, the type most commonly used in airplanes with torque-rod aileron control, is usually priced somewhere between \$10 and \$15 dollars. That's pretty inexpensive insurance for the security second servo redundancy offers an expensive airframe investment.

DM



The stock aileron servo setup with one servo driving both aileron torque rods



Dennis' modified plywood mount with a servo dedicated to control each aileron



SECRETARY'S REPORT

Tony Sokol
secretary@foxvalleyaero.com

President: Tom Spriet called the meeting to order at 7:39 pm

Secretary: Tony Sokol asked for approval of the September minutes as published in the Flypaper. **Norm Johnson** moved to accept the minutes and was seconded by **Bill Brown**. The minutes were accepted.



Doug Swanson photos

Treasurer: Paul Jacobs reported that our treasury is in great shape however it will be coming down with the upcoming Christmas Party expenses. Much of the Christmas party expense will be covered by reservations fees and that combined with 2012 dues coming in should

Fox Valley Aero Club
General Meeting Minutes
November 10, 2011 @ Township Hall

build the bank account back up rapidly. **Alvin Cole** motioned to accept the report, seconded by **Mark Knoppkie**. The report was approved.

Vice President: John Turner reported that the annual Toys for Tots drive will be coming up soon and donations brought to the Christmas party will be appreciated. Donations of unwrapped toys and Gift Cards as well as heavy duty plastic coat hangers will be appreciated.



John Turner

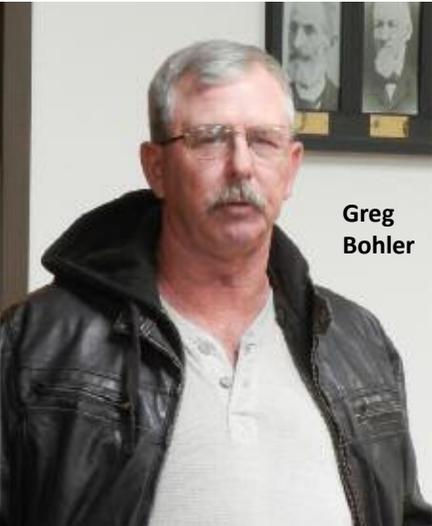
Government Relations Chairman: Alvin Cole is still looking for a musician for the Christmas party.

Membership Chairman: Sal Perno introduced **Tom Flint** who was delighted to have help flying his electric P-51D and landing it successfully. Sal also introduced **Keith Gill** from Homewood who has been flying a Super Tigre Trainer.

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Flypaper Editor: **Doug Swanson** requested material for upcoming issues. A special election issue with candidate profiles will be coming out on Monday.



Greg Bohler

Field Chairman: **Greg Bohler** reported that the field is “all buttoned up” for the winter. Thanks to the help of many everything is put away, however the field is NOT closed. It will remain open for the all-weather fliers as long as they can make it through the snow. Anyone having a plow is welcome to plow out the road and parking area, however we NEVER plow the runways. The reason is that the plowed runway edges will form banks and wind rows which will most certainly reconfigure your aircraft in short order.

Bylaws committee chairman: **Joe Pedone** reviewed the changes to the bylaws and fielded questions regarding the changes. President **Tom Spriet** called for a vote by those members present to accept the updated version as presented. A show of hands indicated a unanimous vote to accept the new version of the FVAC bylaws. Joe and his crew are to



Joe Pedone

be commended for the work they have done to prepare this new version of the Bylaws.

Chief Flight Instructor: **Dan Compton** announced that we have two newly solo'd fliers. **Tom Flint** and **Tom Ruthig** were issued certificates indicating their achievement.



Tom Flint receiving his Solo Flight Certificate from Chief Flight Instructor, Dan Compton. Congratulations, Tom!

Secretary: **Tony Sokol** reminded everyone to mark their ballots and return them ASAP so the results can be tabulated in time for the Christmas party. An SASE is included in the mailing to facilitate this process. The ballots will go out Monday at the latest.

President: **Tom Spriet** opened the floor for additional nominations for the upcoming election. Having no additional candidates, Tom closed the nominations at this time.

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Show and Tell:

Dale Gathman displayed more of his incredible in-flight photos of various members' planes in action. It was suggested that a CD of the various shots of planes and field activities be compiled to be projected during the banquet.

Dale also brought along an E-Flite 32-sized Extra sporting one of the new OS electric motors.



Dale Gathman



Walt Thyng

Walt Thyng brought a newly acquired Foamie by Doughnut Models which he hopes to use for some indoor flying this winter. The plane weighs in at a mere 8½ oz complete with receiver. Batteries bring the flying weight up to 14oz.

Dennis McFarlane brought a 1/6 scale Cosmic Wind racer by Great Planes. The little red plane uses a 1250 Kv motor and a 3-cell 1800mah LiPo battery for power. It is composed of a fiberglass fuselage and a built up wing. Everything fit perfectly!

Having no further business, President **Tom Spriet** adjourned the meeting at 8:10pm.

Respectfully submitted, Tony Sokol – Secretary
FVAC



Dennis McFarlane

FOX VALLEY AERO CLUB INSTRUCTORS

Support Your Local Hobby Store

Your local hobby store will help you save a ton of money in the long run by guiding you, and helping you avoid purchasing products that are not right for your skill level. Hobby stores are available to help lend their expertise with pre-sale questions, after-sale support and personal customer service. They will make sure that you are not getting yourself into something that you will regret after you get home, and help you avoid spending more money than you need to. The ultimate goal of the hobby store's staff and owner is to keep you involved in the hobby for life and keep you informed with everything you need to know to get the most out of whatever direction you choose.

Dan Compton – Chief Flight Instructor

Cell: 630-664-6426
trainu2fly@comcast.net

John Fischer

Cell: 312-518-0075
jeffxx@comcast.net

Cliff Fullhart

Cell: 630-709-1533
Home: 630-397-5033

Alan Galle

Cell: 630-697-8464
ajgalle@comcast.net

John Horvath

Cell: 630-440-7398
horvatsky@comcast.net

Paul Jacobs

Home: 630-778-1184
Work: 708-728-9000
paul_jacobs@att.net

Mike Kostecki

Cell: 630-373-2722
mkostecki503@comcast.net



Blade Scout RTF 3-
Ch Heli by BLADE
(BLH2700)

Tom Siwek

Cell: 224-542-0323.
tsiwek@sbcglobal.net
Available primarily on
weekends

Bill Sponsler

Cell: 847- 323-6578
bsponsler@comcast.net

Jason Walsh

Cell: 630-291-1872
jwalsh1@ameritech.net



FOX VALLEY AERO CLUB RADIO CONTROL SWAP MEET

Saturday, February 25, 2012

Location: KANE COUNTY FAIR GROUNDS

525 Randall Rd., St. Charles, Il. 60175

Use Randall Rd. entrance between Rd's # 64 and #38

BUY, SELL and/or TRADE

**RC AIRPLANES, HELICOPTERS, CARS and maybe some BOATS
BIGGEST SWAP in Illinois with 15,000 sq ft. of heated facility, washrooms and
gourmet hot dogs/sausage food service available. 190 plus tables.**

PREPAID TABLE RENTAL

NOVEMBER PAID RENTALS \$10.00 PER TABLE

DECEMBER PAID RENTALS \$12.00 PER TABLE

JANUARY PAID RENTALS \$14.00 PER TABLE

(note- all tables include one FREE PASS)

TABLES \$19.00 AT DOOR AND ONE FREE ADMISSION

Pay early and save some bucks

TABLES READY FOR YOUR SET UP AT 8:00AM

**OPEN ADMISSION AT 9:00AM TO 3:00PM
AFTER 1PM, WE WILL BE OPEN TO FOAMY
ELEC. FLYING INDOORS AND LIGHT ELECTRICS.**

Come and participate or sit and enjoy the show.

**COST \$5.00 ADULTS
(CHILDREN UNDER 12 FREE)**

**FOR TABLE RESERVATIONS AND INFORMATION
CONTACT JIM TOTH**

Phone: 1-847-888-8890

Fax: 1-847-888-0992

E-mail: jimhaydu2@sbcglobal.net

Mail Address: 39W140 Red Cloud Lane, Elgin, Il. 60124

2012 Fox Valley Aero Club Calendar of Events

January 1 January 12	First to Fly Fun Fly FVAC Member Meeting	10:00 AM FVAC Field 6:30 Board 7:30 Regular at Township Hall
February 9 February 25	FVAC Member Meeting FVAC Annual SWAP	6:30 Board 7:30 Regular at Township Hall Kane County Fair Grounds
March 8	FVAC Member Meeting	6:30 Board 7:30 Regular at Township Hall
April 12 April 14 or 21	FVAC Member Meeting Member Work Day	6:30 Board 7:30 Regular at Township Hall FVAC Field
May 10 May 26 & 27	FVAC Member Meeting Classic Pattern Contest	6:30 Board 7:30 Regular at Township Hall FVAC Field
June 2 & 3 June 14 June 9 June 15 & 16	FVAC Pattern Contest FVAC Member Meeting Kids Day Al's Helicopter Fun-Fly	FVAC Field 6:30 Board 7:30 Regular at FVAC Field 9:00 AM start, 1:00 PM second round FVAC Field
July 12 July 21 & 22	FVAC Member Meeting Festival of Flight	6:30 Board 7:30 Regular at FVAC Field FVAC Field
August 4 & 5 August 9	Chicagoland IMAC Challenge FVAC Member Meeting	FVAC Field 6:30 Board 7:30 Regular at FVAC Field
September 13	FVAC Member Meeting	6:30 Board 7:30 Regular at Township Hall
October 11 October 21	FVAC Member Meeting Fun-Fly & Turkey Fry	6:30 Board 7:30 Regular at Township Hall 10:00 AM FVAC Field
November 8	FVAC Member Meeting	6:30 Board 7:30 Regular at Township Hall
December 7	Annual Christmas Party	Hilton Garden Inn