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AMA Gold Leader Club



Academy of Model Aeronautics
Charter Club #252

Flypaper

June 2014

Fox Valley Aero Club

Steve Baker uses the right tool for the job along with Karl Griesbaum. Read more about it inside!



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The *Flypaper* is a monthly publication of:

The Fox Valley Aero Club
P.O. Box 837
St. Charles, IL 60174-0837

www.foxvalleyaero.com

An Illinois not-for-profit Corporation

PRESIDENT'S MESSAGE

Alvin Cole
president@foxvalleyaero.com



What a great start to a great flying season! The Memorial Day parade was another great event that our club participates in annually; this event shows the community of St. Charles that we are very much a part of this community. Thank you Brian for your help and the participation of all those who helped.

By now we have already had two other club events that were successful. The kids day and annual pig roast. We had great participation for the kids event, lots of yellow shirts and trainers. Lots of smiles from the kids and adults as well. Todd has done a great job putting the rocket day and kids fly event together. Susan Galle stepped in to help make sure the kids had hot dogs and a refreshing drink. As we continue to stay true to our commitment to Be courteous, Be safe, and Have fun we will continue to make this club the best club in the area.

See you at the field,

Alvin

TREASURER'S REPORT

Paul Jacobs
treasurer@foxvalleyaero.com



Well the flying season is officially underway which means I have airplanes on the bench needing a little work. So far I have gotten the Ultra-Stik, ¼ Cub, Dirty Birdy, Phoenix 7, and Chipmunk in the air but the Chipmunk dead stuck and I landed on the grass and of course a wheel pant caught and I am now reinstalling the left gear. My Finesse hadn't been flown for two years and unfortunately I bent a sticking exhaust valve trying to start it for the first time. Parts are on their way from YS and it should be good to go. Next out will be the big Decathlon and Extra 300 to get ready for Doug's IMAC Challenge.

The treasury is in good shape but the mowing has begun in May and that means \$240 per week now and until October growing season is over. The field looks great and I am ready for this weekend events of Kids Day, Rocket fest, and Pig Roast. Hopefully the weather will cooperate. The Memorial Day parade went well and I am looking forward to the Swedish Day parade coming up on June 22. Put on your yellow FVAC shirt and join in. If you do not have a shirt, contact Karl Griesbaum and he will get one for you.

In addition to the June events mentioned above we also have the final Al's Helicopter Event on June 20th to 21st and the Warbirds and Classics on June 26th to 28th.

Hope to see all of you on the flight line this summer flying safely.

Until next month,

Paul

SAFETY CHAIRMAN'S MONTHLY TOPIC

Tom Siwek

safety@foxvalleyaero.com



*Message from the Editor:
Tom is on vacation and has been instructed to avoid anything that resembles work. This is a respectable position to be in and we fully support that. Tom still managed to get a message out to us.*



- Stay within the flight boundary.
- Spot for each other.
- Don't do anything stupid.
- Don't put anything in the air that looks like it was built in a kindergarten art class.
- Be nice and helpful to each other.

I'm going back to the beach... Ciao.

Tom

The viewpoints in this newsletter are solely those of the individual authors. They may not necessarily represent those of the Editor, Officers, Board or Membership of the Fox Valley Aero Club.



Armin Weber's
Ryan PT



Hitec's new digital HS-7956SHR steel gear, rudder servo
"Monster performer for your 30 to 80cc giant scale aircraft"



SECRETARY'S REPORT

Dale Gathman
secretary@foxvalleyaero.com

Fox Valley Aero Club Member Meeting Minutes May 8, 2014 @ St. Charles Township Hall

Photos by Brian Wituk & Jason Boettcher

President Alvin Cole called the meeting to order at 7:30 pm and welcomed everyone.

Windy City Warbirds & Classics - John Fischer



John Fischer

announced that he is passing a volunteer sign-up sheet around the room. He also said that volunteers can sign up on the web site. John then showed the t-shirt design they plan on using. He plans on ordering 155 event shirts for \$8.15 each. The shirts will sell for \$12.00. John said that there are flyers available on the table. He also said that the site currently has over 1400

hits, and 30 pilots are registered. Alvin asked all members to register if they are going to fly, and if not flying, asked that they make every effort to attend the event.



Secretary Dale Gathman asked for any additions or corrections to the April 10, 2014 Member Meeting Minutes. None were voiced.



Alvin Cole



Dale Gathman

Tom Siwek moved to accept the minutes as presented. Dave Cotton seconded. Motion passed unanimously.

Treasurer Paul Jacobs reported that the checkbook is in good shape. He said that we will now start getting bills for the lawn mowing. Paul then announced that we now have a PayPal account that can be used to pay dues, event fees, and any other club fees that would otherwise be paid by check. To pay using PayPal, we just have to send our payment to 'treasurer@foxvalleyaero.com'. Our PayPal account can only be used to make payments to the club, the club outgoing payments cannot be paid using PayPal. As before, mail can still be used to submit checks for those who do not want to use PayPal. Paul conveyed thanks to **Bob Mosinski** for setting up our PayPal account access. Sal Perno moved to accept the Treasurer's report as presented, seconded by Dave Murray. Motion passed unanimously.



Paul Jacobs

Alvin Cole then mentioned that **Tom Spriet** announced at the beginning of the board meeting that he would not be able to coordinate or attend either of the parades this year, and he asked that we find a new member who would be willing to volunteer their time and effort to coordinate the parades (St. Charles Memorial Day and Geneva Swedish Days). Tom is also asking that someone else step up and take over the coordination of the Pig Roast and Turkey Fry. Tom will still be around, but plans on spending more time with his family this year. **Brian Wituk** volunteered to take over coordination of the parades.



Brian Wituk

Safety Chairman Tom Siwek announced that this month's topic will be 'Flying Events'. He mentioned that how we approach flying at events vs. how we approach a general flying day is basically



Tom Siwek

the same, but we need to be more vigilant preparing for events, due to the increased number of people and property present. Tom stated that any new planes need to be thoroughly tested and flown multiple times before a sanctioned event such as our upcoming Warbirds & Classics event. We must be confident that our planes are airworthy before flying them at such an event. This applies to new planes as well as planes that have been in storage. Tom also stated that all pilots must abide by instructions from the flight line people. All pilots need to have clearance before taking off, and no one should go onto the field without clearance. Spotters need to watch for other planes and communicate to the pilot what is going on around them, not watch the plane of the pilot they are spotting for. Spotters should not answer cell phones while spotting. Spotters should call out things like 'Gear Pass', Touch & Go' and 'Landing'. Also, all pilots need to be aware of their plane's position to avoid exceeding our flight boundaries.

Alvin Cole reinforced the importance of all members adhering to the rules at all times. Alvin stated that any member who thinks the rules are dumb does not have a place in the club. Alvin also re-emphasized that we need to follow all of the safety issues that Tom Siwek covered all of the time, not just during events.



Tony Bahowick

Membership Chairman Tony Bahowick announced that we currently have 158 paid members, 5 honorary members, and nine members have promised to send their dues in. Tony then introduced new member **Rick Davis** and his son **Todd**. Rick flies both helicopters and fixed wing, and Todd flies mostly quad copters. Tony then asked if anyone could tell him who our longest standing member is. **Cliff Fullhart**

correctly guessed that it is **Bob Walker**. Our second longest standing member is **Jim Hagner**, and our third longest is **Cliff Fullhart**.



Field Chairman Mark Knoppkie stated that the field is looking pretty good, although he has to contact the grass cutting service and get



the mowing started, as he was unaware that they hadn't started mowing yet. Mark said that thanks to



Mark Knoppkie

Steve Baker and **Karl Griesbaum**, the sinkholes are fixed. The members showed their appreciation with a round of applause for Steve and Karl. Steve and Karl will fill in the dirt patches in the short grass area and plant grass there in the next week or so. Mark stated that he acquired new cloth pennants (red, white and blue) to use at the events. He also said that he is getting new poles to hold the pennants that we install in the corn field each year to help us locate downed planes once the corn is tall. Mark also stated that he will get one additional Porta Pottie delivered this month, and then two more before the Warbirds and Classics event. We will then have four at the field until after the Festival of Flight. Mark also reassured the members that the garbage is getting picked up again.

Flypaper Editor – Jason Boettcher

announced that the Flypaper is off to a good start, and asked that anyone who is at an event please take some pictures or write an article and send them to him. Alvin stated that Jason did a great job on his first Flypaper. The members showed their agreement with a round of applause.



Jason Boettcher

Alvin Cole mentioned that the Field Open House went well. It was cold, windy, and a lot of fun. Most members felt that we should do a similar thing again next year.

Dale Gathman addressed the members about a **2.4GHz video streaming** test that he and **Joe Pedone** completed a couple of nights ago. They used Dale's PT40 trainer, which uses a Spektrum AR8000 receiver, and Joe's GoPro camera which has 2.4GHz video streaming.

The first part of the test consisted of Dale's trainer, bound to his radio, being set next to the cornfield to the south. Dale was positioned at a flight station. While Dale continuously moved the control surfaces of the trainer, Joe walked from Dale towards the trainer, with his GoPro on and streaming video active. Joe zigzagged back and forth about ten feet making sure to cross the line-of-sight between Dale and the trainer many times. Once Joe got to the trainer, he walked around it three or four times, and then actually stuck the GoPro right next to the receiver. Dale stated that at no time did he lose bind or control response on the trainer. For the second part of the test, Dale, who was at the east-most flight station location, held in his range test button on the radio, while continuously moving the controls. Joe walked the trainer and GoPro west, until he was approximately 500 feet away from Dale. At that point, the plane stopped responding to control inputs, not due to the GoPro, but the fact that the range test is made to work out to about 90 feet, and they were 500 feet apart.



For the third part of the test, Joe stayed about 100 feet past the west end of the runway while Dale, who had released the range test button and regained control movement, walked to a point about 100 feet past the east end of the runway. At that point Dale and Joe were about 1000 feet apart, and at no time did they lose control or bind with the trainer. After walking the plane and radio back towards runway center, Joe waved the

Go Pro around Dale's radio and antenna, which still did not affect control or bind. Dale clarified that this test is for information only, and does not convey any official club opinion about video streaming on 2.4GHz at this time.

Alvin Cole explained that the board had a lengthy discussion on this issue, and we will come up with a rule regarding 2.4GHz video streaming that will most likely require anyone who plans to fly with 2.4 streaming video to notify the pilots at the field that they are getting ready to do so, and then give any pilots in the air a chance to land before the video streaming is turned on.

Dan Compton announced that he sent three Word documents to the members. The documents contain labels that can be printed out and used to label our planes, which is a requirement of the AMA. When Dan set the labels up, he had the top margin at .6, and the other margins at .5. Using these margins, the labels will print correctly. Avery has the labels needed, and Office Max also has their own brand labels available.

Dale Gathman showed photos of Armin Weber's PT19, and Cliff Fullhart's Thomas Morse Scout.

Hearing no further business, President Alvin Cole asked for a motion to adjourn. **Sal Perno** moved and **Joe Pedone** seconded. Motion passed unanimously. The meeting was adjourned at 8:41 pm.

Respectfully Submitted
Dale Gathman – Secretary FVAC





FROM THE EDITOR

Jason Boettcher
newsletter@foxvalleyaero.com

As I write this looking outside at the weather I must express feeling a bit of frustration resulting from the lack of good flying weather so far this season. For us it is an inconvenience; unfortunately the impact on many others has been much worse. Severe weather has been

presenting itself across the country. TORNADOS have destroyed property and claimed lives. Wildfires in California did the same when a high-pressure system brought unseasonable heat and gusty winds to the parched state. Our days to fly models have been pretty limited this season, but I'm counting my blessings because we have been safe.



Back to business: we can now double click on the membership form to enter data into the fields! **Todd Davis** set up the new form so you can



enter data into it, **Tony Bahowick** sent it in. Also you can check the boxes by left clicking on them.

This month FVAC participated in the St. Charles Memorial Day Parade. A

handful of people worked on the float Saturday, with more joining in for the parade on Monday. Read more about it on page 11.

About the Cover

This month we see **Steve Baker** working on our field. Steve and **Karl Griesbaum** fixed the sink holes well before they promised in time for the Warbirds & Classics event. They spent an entire day on the project replacing old broken clay field tiles with PVC sewer pipe. Heavy equipment and hard labor were required, thank you guys very much for taking care of this problem. Now we don't have to worry about a hole sucking in a plane or grabbing our landing gear. Karl Griesbaum took a moment to snap the photo while working the project.

I met with Ray Luchetti who is the Newsletter Editor for the Naperville PropMasters R/C club. He showed me some nice software called PDF converter. So I've invested in professional PDF software (Power PDF Advanced) in an attempt to compress the Flypaper's file size. It's not publishing software but rather more like a PDF tool. This was also necessary to get the new membership form to work correctly when combining it with all the other newsletter material. The software also does a better job collating other .PDF documents (such as our membership form, event flyers, field rules, AMA rules, etc). I had to do some funny business with the last issue and the resolution on the safety rules was not as high as I'd like to see. Hopefully the only difference the reader will notice will be a smaller file size.

The panoramic shot on this page was taken by Mike Bargman, it illustrates how we barely snuck in some flying (at another field) while barely missing one of the many oncoming weather fronts this season. Speaking of photographing weather fronts, check out the panoramic shot of a shelf cloud over the Fox River and other goodies in this issue on page 10.

Meteorologist Tom Skilling summed it up best on his Weather blog:

Meteorological spring—the period which began March 1—ranks coolest here in 18 years and among the coolest 19% in 143 years of official weather observations here.

-JB



Dale Gathman Photo



Todd Culbertson and **Dale Gathman** attended STEM-O-Rama on Saturday, May 17. This was a Science Technology Engineering Mathematics (STEM) show that is attended mainly by Cub and Boy Scouts and their leaders and parents. It was held at the Kane County Fairgrounds. This event showcased over 100 Science, Technology, Engineering, and Math exhibits.



Dale Gathman Photo



Dale Gathman Photo



Static R/C Model Display



Todd's Tables



R/C Setup

Dale Gathman Photos

Todd set up the display and also represented FVAC during the event along with Dale. Todd had a cool board set up that showed how all of the controls in an RC plane work (see photos). The duo handed out a large quantity of Windy City Warbirds flyers, as well as some of the Kids Fly Day flyers.

Special Thanks go to **Dale Gathman** who spent the entire day working the event with Todd. The Chicago Tribune stated “ ‘STEM-O-RAMA’ was a science explosion... Smiles exploded on the faces of more than 4,500 Scouts as hands-on science was "front-and-center" at the first-ever STEM-O-RAMA... “



Jeremy Dale



HobbyTown USA
2061A Lincoln Highway, St. Charles, IL 60174

Jeremy of **HobbyTown St. Charles** made generous donations to this event in the form of products and gift certificates. Thank you !



Article by
Dale Gathman,
Todd Culbertson &
Jason Boettcher



Kevin Kessler framed! The picture on the left appears on RCGroups.com. The photo was taken by **Dale Gathman** and originally published in July 2013's *Flypaper*. **Doug Swanson** located and shared the RCGroups picture.



I ran across this photo on Tom Skilling's weather blog at felt compelled to share it. I reached out to the photographer and got her permission to publish it in our newsletter.

*Here is a panoramic view of a shelf cloud with Monday evening's thunderstorms sweeping over the Fox River in West suburban St. Charles, IL.
Photo courtesy of Lorraine Mahoney, St. Charles, IL*

See more of Lorraine's Beautiful Photos at <http://www.capturedbylorraine.com/> and 'Like' her on Facebook at <http://www.facebook.com/capturedbylorraine>



The Parade went off without a hitch. Thank you to all who helped, from prepping the float, contributing the planes, and lastly walking in the parade. Before the parade started, we were well received by the public. We had Veterans, Cub Scouts, and spectators coming up to check out our float.



Left to right are Dale Gathman, John Fischer, Brian Wituk and Joe Pedone

There was one issue. The St. Charles marching band didn't like us smoking them out last year, so we were positioned at the end of the lineup in front of the Fire Department. Dave smoked out every mosquito, moth, and gnat in St. Charles.

My favorite moment was half way down the hill when two WWII veterans stood up and saluted our float. I'd say not too bad for my first parade. Here is to Swedish Days being just as successful.

- Brian Wituk
"Float Chairman"

Photos courtesy of
Dale Gathman and Joe Pedone



Our float turns the corner at Rt. 64 near the Arcada Theatre



John 'JT' Turner and President Alvin Cole



Smoke on!
John Fischer Looks on as Dave Murray's Jet belches smoke into the atmosphere



Dorie Jacobs marches while her husband Paul rides shotgun in the float's tow van



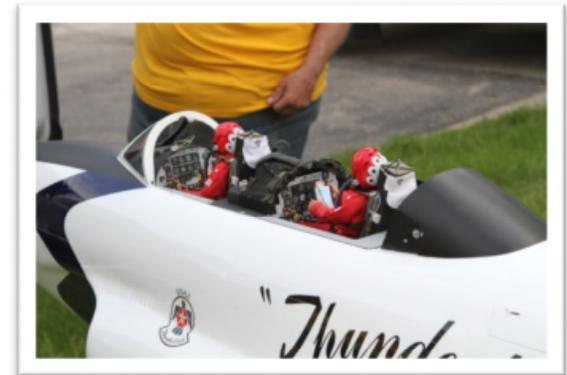
Look! Dave Murray enjoys his turbine smoke system



Left: Todd Culbertson interacts with the crowd. Above: Smoke!



Captain Murray points out smoke in the trees



Show and Tell text
by Dale Gathman



Show and Tell – **Mel Ziska** showed an FMW MX2 (similar to an Edge 540) aerobatic plane that a friend found for him. The friend told Mel that it would match his 'big' MX2. It has a 94" wingspan and 84" fuselage. It is considered a 50cc size plane. Mel put a DLE50 engine in it. He says that the plane is a 'little overbuilt' for an aerobatic plane nowadays (the wing extends into the fuselage a little bit). Mel put three A123 batteries in the plane, one for the ignition, and a pair for the receiver, which is a Spektrum AR7000. The plane is not balanced for 3-D. Mel said that the ignition can be cut-off from the transmitter. The MX2 was a dual cockpit trainer, and Mel is not sure what he will do as far as installing a pilot or two. Mel says it should be a good IMAC plane. It has a thick airfoil, so it shouldn't accelerate on the down-lines the way the thin airfoil planes do.



Steve Baker presented his Carl Goldberg Super Chipmunk ARF kit. It was designed to look like Art Scholl's full scale plane. Steve found the plane at an automobile swap meet, sitting amongst a bunch of brake drums and carburetors. He got the plane for \$40.00. Steve put it together over the winter. He purchased a brand new OS FS61 at a swap for \$60.00, and the muffler on EBay. Steve has a total of about \$160.00 into the plane. He still has to put the pilot into it. Steve installed flaps, so that he can slow it down, as the airfoil is thin. Steve detailed the cockpit out, as well as replacing the ABS wingtips and belly pan with balsa.

Alvin Cole said that he wanted to do his show and tell, but didn't bring a plane. Instead, he showed pictures on his iPad. When he was in Florida, he skydived, jumping out of a perfectly good plane at 14,000 feet, again proving that he is 'Plane Crazy'. Alvin said that he can't even describe the experience of standing at the door and seeing the ground 14,000 feet below, knowing that

he was about to jump. He said that it was 'such a rush'. For the first minute, Alvin was in free fall at 125 MPH. Then after pulling the chute, it was like floating in air. Alvin said he also got a chance to fly a T-6 Texan, actually performing some maneuvers.

Mark Knoppkie showed his new plane, which generated the response 'Nice Beaver' from the crowd. It is a Hangar 9 DHC-2 30cc Beaver. The plane has a 110 inch wingspan. Mark saw the plane and thought that it needed 'something special', so he installed the Evolution 77cc radial engine to power it. Mark then demonstrated the lights that he installed. The landing lights are SUPER bright. All batteries are LiFe batteries. Mark has run the engine for one hour already. The plane should be ready to fly this weekend. Mark plans to run the engine on methanol and oil, no nitro is needed. Once broken in, the engine only needs about 6 percent oil. Mark installed the batteries under the seats, which he attached with magnets for easy removal.



Paul Jacobs showed off his new DC3. He said the original DC3 was built in 1935. Paul wanted to have it ready for the Warbirds & Classics event, but he says it is not looking too promising right now. He still has to install 17 windows, and balance it. The plane has 12 servos installed, four on flaps, one on each aileron, and one on each engine. Paul

installed a gyro on the rudder. He said that those of us who have seen him take a tail dragger off know why he needs the gyro. The engines are set up to be separately operated. Paul decided against a glow system, to avoid the hassle and the possibility of interference. He installed ESM retracts with Robart pneumatic valves.



Paul said the plane will be at our event, but he is not sure if it will be flying. The engines are OS95V four stroke. The gear came with the plane. The plane is all fiberglass, and has a 104 inch wingspan. Dan Compton mentioned that he has flown in a DC3 about three times, and when he was in the Air Force they called it the Gooney Bird. Paul said that the plane has one 'defect' which is that one of the U.S. Mail signs on the front of the fuselage is upside down.



Editor Photo

Dale Gathman showed his Hangar 9 Sopwith Camel. It is a 60 size plane, and is now ready to fly. The engine, a Saito 91FS, is broken in, and it now has baffles installed in the cowl to direct the cooling air over the head. The guy wires have been installed. Dale said that it is an older model which is not available any more. He found it on EBay. Dale installed a glow system due to the size of the firewall, which prevents getting a glow driver on the glow plug. It took 1-1/2 lbs. of weight in the cowl to balance the plane. **John Fischer** mentioned that this plane, which has a 60" wingspan, qualifies for our Warbirds & Classics event. **Cliff Fullhart** mentioned that Dale made the shiny Ultracote look like fabric by scuffing it with '0000' steel wool, and then spraying it with Top Flite Dull Coat. Dale also replaced the standard O-Rings on the landing gear, which are very stiff and hard to install, with pony-tail hair bands that he bought at Target. The bands are black with brown stripes, and look similar to the actual material used on the full scale planes. He plans to maiden it on Saturday.



Brian Wituk Photo



Brian Wituk Photo

Alvin Cole then showed pictures of the flight he took in the T6 Texan. The pilot told Alvin all the history of the plane. The place where he took the flight had a war museum, and they had a lot of engines and things to see. John Fischer mentioned that this type of flight can be arranged at the Aurora airport as well. John got to take a flight thanks to his wife buying him a flight as a Christmas present.

Background Airplane Photos Courtesy of Dale Gathman, Brian Wituk, & Paul Makowski

SHOTS in the Air



Dale Gathman Photo

Armin Weber
Ryan PT



Paul Makowski Photo

Shirish Shah
Skymaster F-16



Armin Weber
Ryan PT

Dale Gathman Photo



Cliff Fullhart
Balsa USA Thomas Morse Scout



Paul Makowski Photo

Brandon Makowski
Edge 540



Paul Makowski Photo



Dave Murray
Hanger 9 Ultimate

Brian Wituk Photo



Brandon Makowski
UMX Habu 180

Paul Makowski Photo



Brandon Makowski
UMX Habu 180

Paul Makowski
Photo



Fred Nilles
Bipe



Jason Boettcher
Horizon Hobby Habu 2

Paul Makowski Photo



Background Photo
Shot by Brian Wituk



Mariano Rosales
Seagull Glassair Sportsman

Brian Wituk Photo



The Jug – P-47
Gary Stephens,
Top flite 85" span,
DA-85

Paul Makowski Photo



“Exceptional - No other word does justice to the "Jug". The P-47 Thunderbolt served many Allied forces during WWII, in every combat theater – it was the largest single-engine fighter of its time. This P-47 ARF model earns the "exceptional" description in its own right. The detail and quality will impress even the most discriminating scale modeler.” – Top Flite

Maiden!



Ed Gombash Sbach 342
w/ DLE55 - maiden flight

Paul Makowski Photo

Background Photo Shot by Paul Makowski



Armin Weber
Ryan PT



Brandon Makowski
Great Planes Ultimate
w/ 50cc

Paul Makowski Photo



Brandon Makowski
Great Planes Ultimate
w/ 50cc

Paul Makowski Photos



Background Photo Shot by Dale Gathman on 04-26-2014

SHOTS from the Field



Alvin Cole
Cap 232 Zenoh G45

Dale Gathman Photo



Brandon Makowski
Extreme Flight Yak54
w/ZDZ 40cc

Dale Gathman Photo



Mark Knoppkie
Hangar 9 Funtana

Dale Gathman Photo



Dale Gathman Hangar 9
Sopwith Camel 60
Saito 91

Paul Makowski Photo



Jason Walsh
Hangar 9 Cub 40
Saito 60 twin

Dale Gathman Photo



Many Jets showed up on Saturday April 10th. From the top down: Kerosene burning Eurofighter, Eurofighter 3D, another Eurofighter, Skymaster F-16, & an Electric Habu 2

Editor Photo



Dale Gathman Photo

At The field = Happy

Peter Brown Hangar 9 Twist 60 Evolution 61 and Hangar 9 Tribute 36 Evolution 36



Tom Spriet starts up his motor at last month's Open House

Dale Gathman Photo



Gary Koester
Hangar 9
F22 Raptor Evolution 50

Dale Gathman Photo



Bill Sponsler
EFlite
Brio 10

Dale Gathman Photo



Shirish Shah
Skymaster F16 sixth scale Kingtech
180

Dale Gathman Photo



Gary Stephens
P-47

Paul Makowski Photo



Dale Gathman's Hangar 9
Sopwith Camel 60
Saito 91



Armin Weber
gets ready to
fly at last month's
Open House

Dale Gathman Photo



Denny Smalley
Hangar 9
De Havilland
Tiger Moth

OS 22 Gas Engine
Maidened by
Cliff Fullhart

Editor Photo



Denny Smalley
Hangar 9
De Havilland
Tiger Moth

Editor Photo



Mario Rosales
Seagull Glasir
Evolution 15gx 15cc

Editor Photo



Mark Beezhold
Aeroworks Yak 90 to 120
OS 120 2 stroke

Editor Photo



Brandon Makowski
UMX Habu 180 BNF
w/ AS3X Technology

Editor Photo



Mark Knoppkie
Hangar 9 De Havilland DHC-2 33cc Beaver

Paul Makowski Photo



Cliff Fullhart - Balsa USA kit 1/3 scale Sopwith
Pup From Cantigny Museum
Zenoa GT twin 80cc

Editor Photo



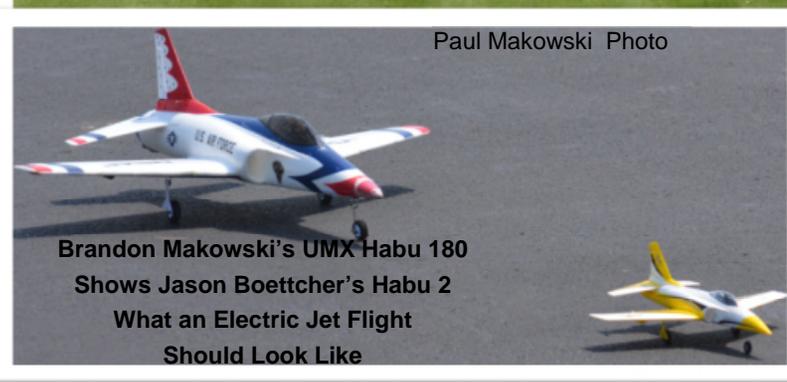
Cliff Fullhart
Packs up the Sopwith Pup

Editor Photo



Paul Makowski
Hangar 9
Edge 540 Extreme 3D
DA-100 Engine

Editor Photo



Paul Makowski Photo

Brandon Makowski's UMX Habu 180
Shows Jason Boettcher's Habu 2
What an Electric Jet Flight
Should Look Like

About the Sopwith Pup:
Zenoa GT twin 80cc
donated by
Mel Zisksa.
Cliff installed
a new battery,
switch harness,
and receiver
on this
historic model.



Paul Makowski Photo

Mark Beezhold's Aeroworks Yak



Tom Flint
Hanger 9 P51 D
w/ Dle 35

Editor Photo



It can take a village to set up an Engine sometimes.
This is one of the things
That Makes a Club!

Editor Photo



Dan Rocha
Tarot 960

Paul Makowski Photo



Tom Bean Lanier
Stinger w
OS 91FS

Dale Gathman Photo



Brian Wituk
Great Planes Super Sportster
w/ OS46 AX

Dale Gathman Photo



Dave Murray
Hanger 9 Ultimate

Brian Wituk Photo



Tom Bean
Sig Breitling CAP w/ Saito
180FS

Dale Gathman Photo



Bill Suhr
Reaction 54 built up balsa
w/ Kingtech 80 propane
start

Editor
Photo



Bill Suhr Hosted some friends from the Blue Max R/C
Flying Club of Buffalo Grove, Illinois

Editor Photo

See Blue Max's unfortunate (but spectacular) midair collision on MOONGRASSTV ! Just google 'MOONGRASSTV' and follow the link http://www.youtube.com/watch?v=Q7im_pOZHsg



Al Field with wife Sue
Parkzone Apprentice

Dale Gathman Photo



Dorie & Paul Jacobs
'The yellow twin'

Paul Makowski Photo



Sal Perno
Graupner
Charging Station

Editor Photo



Dennis Smalley
Revolver
w/ OS 95 2-stroke

Editor Photo



Dennis McFarlane
Horizon Artizan

Editor Photo



Brandon Makowski
Great Planes Ultimate
w/ 50cc

Editor Photo



Ron Kostus
Profile Plane

Paul Makowski Photo



Paul Makowski Photo

Ed Gombash Sbach 342
w/ DLE55



Shirish Shah
Skymaster F-16

Paul Makowski Photo



Shirish Shah
Skymaster F-16

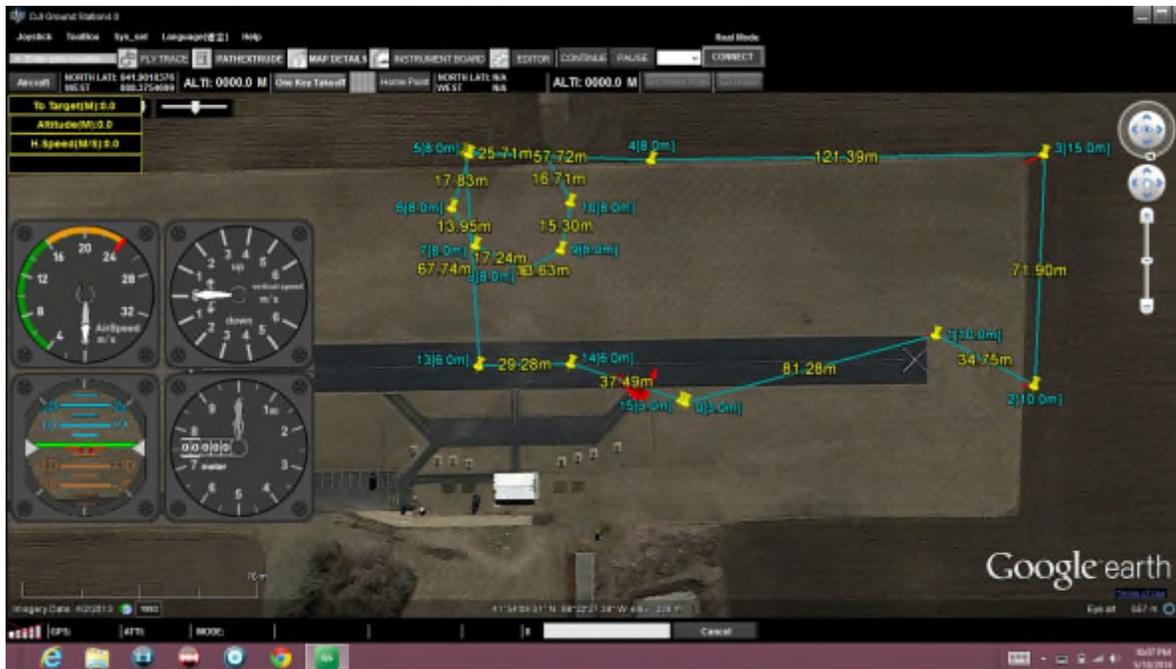
Paul Makowski Photo

Dan Rocha Demonstrates Cutting Edge Technology at our Field

On Sunday, May 18 Dan brought his Tarot 960 multicopter to FVAC. The hexacopter flew a fully automatic flight according to the flight plan Dan set up. The flight plan was programmed such that the aircraft took off and flew the perimeter of our field, then automatically landed itself. The demonstration was stunning. The ship is GPS equipped and transmits real time data to a Windows laptop or an Apple iPad. Dan chose a Wookong-M flight control system which is geared towards commercial, industrial and professional multi-rotor platforms. Dan plans to install a camera gimbal and put the aircraft to work for aerial video/photography applications. His plan is to put video on 5.8 GHz.

When flying manually the orientation (top view rotation) does not matter when applying flight inputs. In other words, you may input full rudder which causes the craft to rotate and then operate aileron and elevator to fly and the controller compensates for the multicopter's orientation.

In the screenshot below you can see Dan's waypoints in the ground station software.



Paul Makowski Photo



Editor Photo



Paul Makowski Photo

Dan demonstrates 'hands off' automatic flight

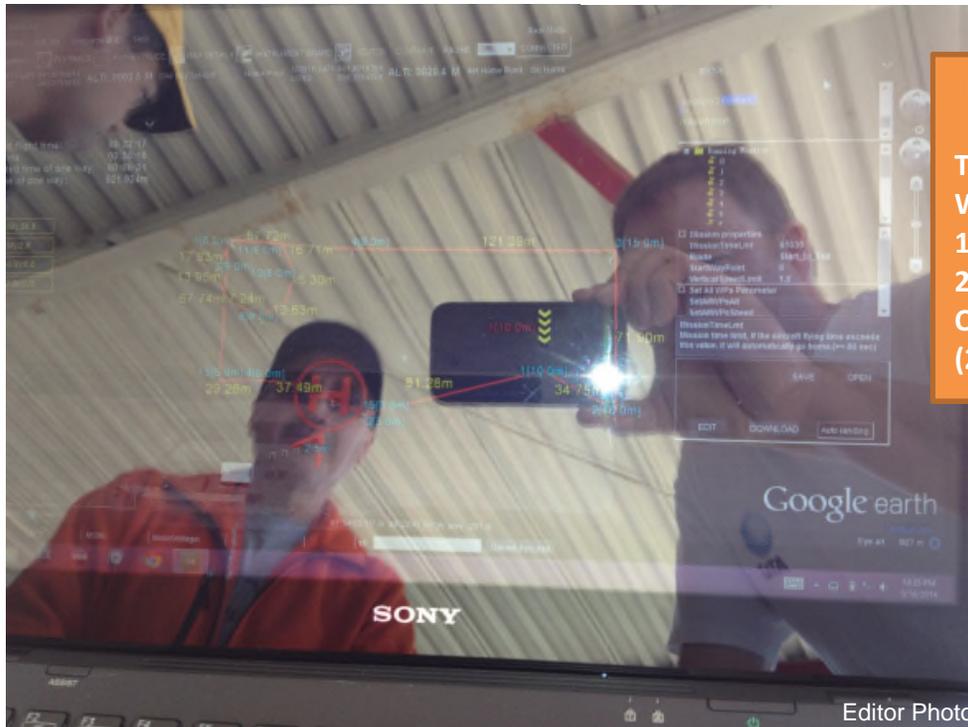


Here we can see real time flight data including altitude, vertical and horizontal speed, horizon, battery voltage, etc



Editor Photo

2.4 GHz bluetooth datalink connects iPad to copter



Editor Photo

Here are some specifications on this Hexacopter:

- Tarot 960
- Wookong M Controller
- 18X5.5 Carbon props
- 2.4 GHz data Link
- OSD Mk II
- (2) 5000 mAh 6s lipo batteries



Article by
Jason Boettcher



Todd Culbertson Appears in a Web Redemption on Comedy Central's tosh.0 TV Series



Daniel Tosh: 'So Todd, how much did this space shuttle cost you?'
Todd Culbertson: 'Oh, around fifty dollars.'



FVAC member Todd Culbertson (aka Rocketman) discusses the botched launch with Tosh, aired on May 20, 2014. Tosh.0 discovered the failed launch at FVAC shown below and reached out to Todd to produce a Web Redemption which is a staple on the show.



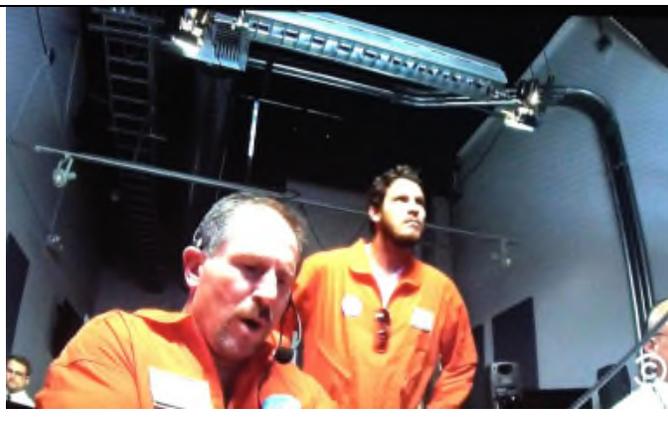
Paul Makowski video frame



Paul Makowski video frame

Here is the 'Storyboard' for this Web Redemption:

'It's an annual event we do with the Scouts...'





Boulder falls on Shuttle



Somebody owes me Fifty Bucks!

Article by
Jason Boettcher



Two jets from the Swiss Patrol, an aerobatic team in the Swiss Air Force, fly close together during the Berlin Air Show on Tuesday, May 2

SHOT OF THE MONTH



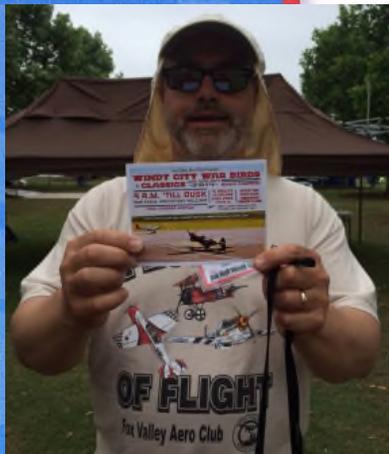
On Saturday, May 24th Brian Wituk, Dale Gathman, John Fischer, and Joe Pedone worked on setting up the float. Brian "Float Chairman" Wituk stepped up to coordinate the efforts.

Read more about it on [Page 11](#)

On Monday, May 26th more members showed up to participate including Dave Murray, Paul and Dorie Jacobs, John Fischer, Sal Perno, JT Turner, President Alvin Cole, and Rocketman Todd Culbertson.



Can you identify who is distributing these flyers?



Kevin Kessler passes out flyers at Joe Nall 2014

Joe Nall FVAC Photos
Provided by K Kessler

January 1	First in Flight Fun-Fly	10:00 AM FVAC Field
January 9	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
February 13	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
February 22	FVAC Annual Swap Meet	Kane County Fair Grounds
March 13	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
April 10	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
April 12 or 19	Member Work Day	FVAC Field
April 26	Fun Fly Open House	9:00 AM – 5:00 PM FVAC Field
May 8	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
May 26	St. Charles Memorial Day Parade	Time TBD
June 7	Kids Day & Rocket Fest	FVAC Field
June 8	Fun-Fly & Pig Roast	FVAC Field
June 12	FVAC Member Meeting	6:30 Board, 7:30 Regular at FVAC Field
June 20 & 21	AI's Helicopter Fun-Fly	FVAC Field
June 22	Geneva Swedish Days Parade	Time TBD
June 26, 27, 28	2014 Windy City Warbirds & Classics	FVAC Field
July 10	FVAC Member Meeting	6:30 Board, 7:30 Regular at FVAC Field
August 2 & 3	Chicagoland IMAC Challenge	FVAC Field
August 14	Cub Fly and FVAC Member Meeting	Cub Fly 2:00; Meetings- 6:30 Board, 7:30 Regular at FVAC Field
August 23	Festival of Flight	FVAC Field
September 11	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
October 9	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
October 19	Fun-Fly & Turkey Fry	FVAC Field
November 13	FVAC Member Meeting	6:30 Board, 7:30 Regular at Township Hall
December 5	Annual Christmas Party	Hilton Garden Inn



**THREE DAYS OF
NONSTOP FLYING!**

Fox Valley Aero Club Presents

WINDY CITY WAR BIRDS
+ CLASSICS **JUNE 26TH-28TH**
2014 **RADIO CONTROL**

9 A.M. 'TILL DUSK

AMA EVENT • SPECTATORS WELCOME

\$5 ADULTS
\$8 CARLOAD
KIDS FREE
(UNDER 12)

PAVED AND GRASS
EAST & WEST RUNWAY

FOOD • VENDORS • RAFFLES

AWARDS WWII
FOR BEST JETS & MORE

RV PARKING AVAILABLE
WITH NO HOOKUPS
SECURE STORAGE
FACILITIES AVBL.

PILOT, SPECTATOR AND VENDOR INFO AT WWW.FOXVALLEYAERO.COM



**OPEN TO GIANT SCALE MILITARY
& CLASSIC R/C AIRCRAFT ONLY**

80" WING SPAN MINIMUM MONOPLANE
60" WING SPAN MINIMUM BI-PLANE
140" JETS OVERALL

[WINGSPAN PLUS FUSELAGE]

ANY PROPULSION SYSTEM

ANY THEATER OF WAR

**CLASSICS- FULL SCALE REPLICA
1974 OR EARLIER**

AIRFIELD LOCATION: ROUTE 38, 1/2 MILE WEST
OF PECK ROAD ON THE SOUTH SIDE OF THE ROAD.
LOOK FOR THE FVAC SIGN!



**A
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**THIS
IS
THE
LAST
AL'S
HELI
FUN
FLY**

30th Annual Helicopter Fun Fly June 20-21, 2014

**Saturday Dinner With Pilot Registration
Extra Tickets Available**

Demos

Public Raffle

Pilot Raffle

Fun Events



**Night Flying both nights for all types of models,
Helicopters, Multi-Rotor, Fixed Wing.
If it flies, it's welcome. No pyrotechnics.**

**For night-fly information,
email Coordinator Dale Gathman,
dalegathman@wowway.com**

**Fox Valley Aero Club Airfield • Karl Madsen Drive, St Charles, IL
Pilot Registration - \$25.00 (includes Saturday night dinner)**

Proceeds to benefit various charities

For information contact Cindy @ 630 832-4908 or rc@alshobbyshop.com

For club information visit, www.foxvalleyareo.com

Fox Valley Aero Club

Presents The

Annual Kids Fun Fly

Saturday June 7th — 1pm until 3pm

KIDS OF ALL AGES FLY FREE

Place: Fox Valley Aero Club Field, St Charles. A Premier Midwest RC Club Flight Field - 800' x 50' Runway

What to Expect: Parents and Kids will Sign In, then Pre-Flight Instructions will be Provided. When Your Kid is Ready for Flight Line, a Trained Instructor will have a "Buddy Box" Radio Flying the Plane Connected to Your Kids Radio — at the Push of a Button, Your Kid is Flying!!

Special Activities: See Our Members Cool Aircraft on the Ground and Flying after the Event. Computer Flight Simulator, "Kids Hangar" - How RC Works, Raffle / Coupons provided by **HobbyTown USA St Charles**

Directions: Go West on Rt. 38 from Randall Road, Pass Peck Rd. Stop Light about ¼ Mile, Turn Left onto Karl Madsen Drive (Salt Barn) follow the signs to the end—parking is plentiful in lot or designated grass spots.

Questions about the event, or you're lost: Call Todd 630-638-0642 Email: ToddCulbertson@aol.com

PLEASE FEEL FREE TO VISIT US AT THE FIELD ANY TIME—SPECTATORS ARE ALWAYS WELCOME!



FVAC NEW MEMBERSHIP FORM

New Member Assessment Fee: \$300.00 (For new memberships only.)
Does not include dues.

- Dues for Senior Members (18 years and over)** \$125.00 per Member
- Dues for Junior Members (17 years and under)** \$ 25.00 per Member
- Family Membership** \$125.00 per Member
(\$25 for each additional family member with an AMA card, either a spouse or a child under 18 years old.)

Yes Include me in the member only phone book **No** Do not publish my information

PLEASE PRINT

Your Full Name:	AMA Number:	Age: (Junior Members only)	Dues Amount:
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

Your Complete Mailing Address:

Please list the R/C channel(s) you use:

Your Work Mailing Address:

Your Phone Number/s:

Home: _____

Work: _____

Cell: _____

Your E-mail Address:

Total Payment Enclosed:
\$ _____



Complete and mail this form to:

FOX VALLEY AERO CLUB

P.O. BOX 837

ST. CHARLES, IL 60174-0837



Make checks payable to:
"Fox Valley Aero Club"

Signature

Date