

The Flight Box



Up to the minute weather at the airfield

Letter from the President

October 2016

So fall has rolled around already this year. The year has gone quickly. Looking forward to Warbirds here pretty quick. Hope it will be a great event. A big pat on the back goes out to Derrick and the others who have worked to bring this event together.

The club has a meeting set up with Summit to finally hash out some details and maybe a written agreement between Summit and RVRC.

If you fly during the week be aware that Summit will increase activity around their building in preparation of their move to this facility. Please be careful if you see their people or aircraft.

We will need some volunteers for the Warbirds event if you can spare an hour or two on the 22nd. Hope to see you there.

~
Gary Jordan
RVRC's President

Minutes of the General Membership Meeting

Meeting called to order: 7:00pm

- 19 members present, 0 junior member (s), 0 Associate, and 0 guests
- a quorum (19) ***was*** met

Guests:

- John Claterbaugh, lives in Botetourt County and has been interested in the sport for a long time. "I've been infatuated with flight since I was 8 years old! And R/C as well after that time". He's been flying by himself but is looking to join our club to fly with other pilots, being able to learn & enjoy the camaraderie get any advice from our club's vast knowledge.

- Allen Hancock, a retired chemical engineer, lives in Blacksburg. In his younger years he flew control line. He still needs to join the AMA but is flying on a simulator & loves it.

- Rick Littleton, lives in Salem, recently retired and says it's GREAT! He is a childhood friend of Jim Bowen, as they grew up together in Covington. Doesn't know anything about R/C flying and Ronnie, at Crossroads Hobbies, told him to come and see us!

August's New Club Members :

- Curtis Sheilds
- Danny Wright
- Charlie Wright (youth ~ Danny's son)

September's New Club Members :

- John Claterbaugh
- Rick Littleton

★ *Please give them all a hearty welcome the next time you see them at the field*

Announcements:

- ★ ***You must be a Member in good standing, aircraft labeled with FAA & AMA numbers, along with dues current with the AMA & RVRC to fly at RVRC's Airfield !!!***
- ★ ***THERE IS A NEW FIRE EXTINGUISHER IN THE SHED***

-War-Birds Over Salem 2016

Event on the third Saturday in October the 22nd.

- ★ See attached flyer at end of newsletter
- ★ Gary Jordan is the new Contest Director for this event ... if you have any ideas please let Derrick Smith, Vice-President & Event Coordinator, know of your recommendations so they can be implemented !!

▶ ANNOUNCEMENT & AGENDA FOR WBOS 2016

- ✓ Virginia Tech Color Guard will be performing the opening flag ceremony.
- ✓ Board Of Directors has a volunteer signup sheet available for the following positions: Golf Cart driver, Raffle ticket sales, Field Marshall, Kid Zone, Front Gate (Pilot Registration), and floater.
- ✓ Several vendors arriving Saturday Morning and some arriving Friday afternoon / evening.
- ✓ Board Of Directors asks that all RVRC club member pilots please unload and park personal vehicles outside gate to allow room for visiting pilots and spectators !
- ✓ Thursday before the event, Board Of Directors will be mowing grass and doing field and runway preparations.
- ✓ BE ADVISED that there will be about a 150 feet of Military Vehicles coming from the Roanoke Military Club, Salem Fire Department will have a Fire Truck, Salem Police Department will have a City SWAT truck on site, off duty police (Salem & State Patrol Officers) will be in attendance, four busses of Veterans will be here from the WWII Vets of the Round Table & 84th Air Force Wing.
- ✓ Event Command Post (MC & CD ~ located here) will be located at the first canopy next to the bleachers so please leave that space open.
- ✓ Trophy Judging from outside the club, Matt McKeever (from WDBJ7) is an aviation historian.
 - ✓ Best Military Vehicle; our club will give our input as a club and vote for the best Roanoke Military Vehicle.
 - ✓ Best Warbird Fuel Powered (Glow or Gas)
 - ✓ Best Warbird Electric Powered
 - ✓ Bombshell Award

Announcements (con't):

-War-Birds Over Salem 2016 (con't)

▶ ADVERTISING FOR WBOS 2016 (con't)

- ✓ We Manage to post in the following:
- ✓ Giant scale news magazine
- ✓ RC Groups.com
- ✓ Flying Giants.com
- ✓ RC Flightdeck.com
- ✓ Coastal Planes
- ✓ RC central: event and meets
- ✓ Roanoke RC Trading House
- ✓ RC Nation
- ✓ RCAA(RC Airplane Addicts Anonymous)
- ✓ Roanoke County Yard Sale Pages
- ✓ Salem Buy, Sale or Trade RC Aircraft
- ✓ Crossroad Hobbies
- ✓ Ed's RC
- ✓ Hobby Hutt
- ✓ Craigslist

-New Chairs for the membership, we purchased 29 new chairs for our members from Lowe's that are heavy duty, with a wide seat, and will hold 350 pounds.

-Dan Quinn with Summit has hung NO TRESPASSING signage, due to our recent event with the outside gate key reader from a stranger in a RV entering our open gate during the Labor Day Cookout Festivities, which demolished the post and reader. And along with with the recent vandalism during the weekend of Wings Over Salem has lead Summit to hang signage on the exterior of the fence. ***There is to be no one on their land with out the express consent of Summit and we are to remind people that if they are not a club member that this is private property and they need to vacate the premise.*** If you do see someone please be courteous and explain to them that with the previous owners this land use to have a public access but due to the vandalism of recent that this is no longer the case.

The Board Of Directors DID meet with Summit, on the 14th of October, and the details will be discussed in the November General Membership Meeting. We left with a good repertoire with John and Carl Milko, Dan Quinn and John Reed. Basically they are happy with our club, who we are, our community involvement & ***"we look forward to a long lasting relationship between Summit Helicopters & RVRC"***.

★ REMINDER THAT YOUR AMA Membership expires at the end of December, please renew before the Holidays.

Treasurer's Report

Prepared by Jim Bowen ~ RVRC's Treasurer
for the month of
September

RVRC Treasurer's Report for September 2016

Prepared October 3, 2016.

Checking Acc't	\$9,073.10
Money M'kt Acc't (as of Sep 30, 2016)	<u>\$34,762.43</u>
Total funds:	\$43,835.53

Income/Expense by Payee - Sep 2016

<p style="margin-left: 40px;">Checking Account</p> <p>9/1/2015 Beginning Balance</p>	\$10,768.23
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DEPOSITS

9/16/2016 Littleton & Claterbaugh, new memberships	180.00
9/16/2016 Name tag for Strickland	3.00
Deposits, total	<u>183.00</u>

EXPENSES

9/1/2016- 9/30/2016

Payee:	
9/5/2016 Kroger	41.28
9/12/2016 Lowell's Lawns, Etc.	540.00
9/12/2016 David Vietmeier	73.58
"	396.98
" (\$506.82 tot. ck.)	36.26
9/12/2016 Gary Jordan	30.36
"	23.93
"	150.00
"	54.99
" (\$162.28 tot. ck.)	-97.00
9/12/2016 William E. Morgan	286.16
" (\$421.60 tot. ck.)	135.44
9/16/2016 City of Salem	10.00
" (\$61.89 tot. ck.)	51.89
9/23/2016 All Star Impressions	144.26

FOR:
Soft drinks & supplies for Labor Day picnic
Aug. mowing and trimming
Flyers for Warbirds Over Salem
Chairs for RVRC
Supplies for gate key reader repair
Food for Labor Day picnic
Concrete and items for gate key reader repair
Public address system
Noise sound level meter
New memberships for D. & C. Wright
Air show signs
RVRC decals
Monthly dumpster lease fee
Monthly elec bill
Trophies for Warbirds Over Salem

NET EXPENSES	\$1,878.13
OTHER INCOME (offset to expenses)	\$97.00
TOTAL EXPENSES	<u>\$1,975.13</u>

9/30/2016 Closing Balance	\$9,073.10
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Old Business:

-Discussions being held on field improvement:

- Something to be done for reduction of dust under canopies.
 - Additional Canopies to be put at West end of field by single canopy.
 - Paved runway improvements ~ repair cracks & dips in order to make it more level.
- ➔ If you have any concerns or ideas please bring them to Bill Morgan
 - ➔ SUMMIT agrees with our field improvements and gives their blessing to proceed ~ all they as is *advanced* notification before activities begin

-Early Warning Alert System (EWAS): UPDATE

- Jim Bowen reports that: Installation of the Aircraft Warning Alert System has begun after meeting with Summit, clarification of requirements outlined and Summit requests that we have it operational by December, as they project operations will be in full swing at our facility in Salem. Order of the wire for direct burial to the beacon at the fence, and a pipe to support the beacon light has been initiated.

- ➔ **Approach Flight Pattern** we have details on an approach vector and fly by from Summit's meeting~ details will be discussed at November's General Membership meeting so we, as a club, are aware of Summit's pilot's intentions.

- ➔ Summit's Flight Operations is bringing in a Cessna 182 as pilot transport vehicle and it will now be housed in the Hangar that Al James use to house his C182. This plane will frequent the field more often. *As a reminder when you see any FULL SCALE aircraft on approach please land immediately !!*

-Discussions on Aircraft Sound Testing:

- Only one plane that has broken the sound barrier; large Giant Scale plane that was at 98 db under old regs was within limits now 2db over new limits. Pilot agreed to put a three-bladed prop to reduce noise. The BOD appreciates his cooperation.

- ➔ President Jordan reminds us that there are things we can still do as pilots to help improve our sound from the planes ... examples of different types of mufflers and multi-bladed props other than the traditional two bladed type. Not only with these different style of propellers will you reduce the noise but you can increase your speed also.

- ➔ Also a BIG THANK YOU !!! The President and the Safety Committee has observed that everyone has moved there flight pattern more to the West end of the runway which has reduced the sound to the area of the concerned neighbor !

Old Business (con't):

Muffler for combustion engines [Mile High RC Mufflers](#)

- ***Ways of abating noise problems from the AMA***
 - Try a three-blade propeller. The most important thing to remember about airplane noise is most of what you hear does not come from the engine, it comes from the propeller. What you hear when your engine unloads in the air are the propeller tips going supersonic, so getting the engine rpm down will limit much of that. So you think a bigger, two-blade propeller will slow the engine down, resulting in lower noise, right? Wrong! Yes, it will slow the engine down, but now you have longer blades and the tips are actually going faster (physics). The answer is to add blades so you can keep the diameter down while also reducing the rpm. The reason you see most of the big International Miniature Aerobatic Club (IMAC) fliers now using three-blade propellers is not for performance, but noise control. If you don't know how to figure for a three-blade propeller, ask your engine manufacturer for a recommendation. A rule of thumb is to reduce diameter or the pitch by one inch or both if needed.
 - Use as large as possible "canister-type" muffler. Nearly all engines, glow and gas, sold in the US market today are supplied with a large can-type muffler. Most of these supplied mufflers will adequately control the combustion noise coming from the cylinder. After-market mufflers will do a better job of quieting the engine, so look for those.
 - Soft mount your engine. There can often be quite a bit of noise coming from your airframe, especially if it contains a lot of fiberglass or is an open structure covered in plastic film. When the engine is hard mounted to the firewall, the vibration will be carried back through the airframe and essentially act as a drum unless there is some type of absorption material in there to soak it up. Many of the newer 30% and 40% aerobatic aircraft have foam turtledecks and other foam parts that absorb much of the vibration noise. If not, your beautiful machine will sound more like a drum kit than a purring kitten. There are several soft-mount systems on the market. To my knowledge, all full-scale piston engines are soft mounted.

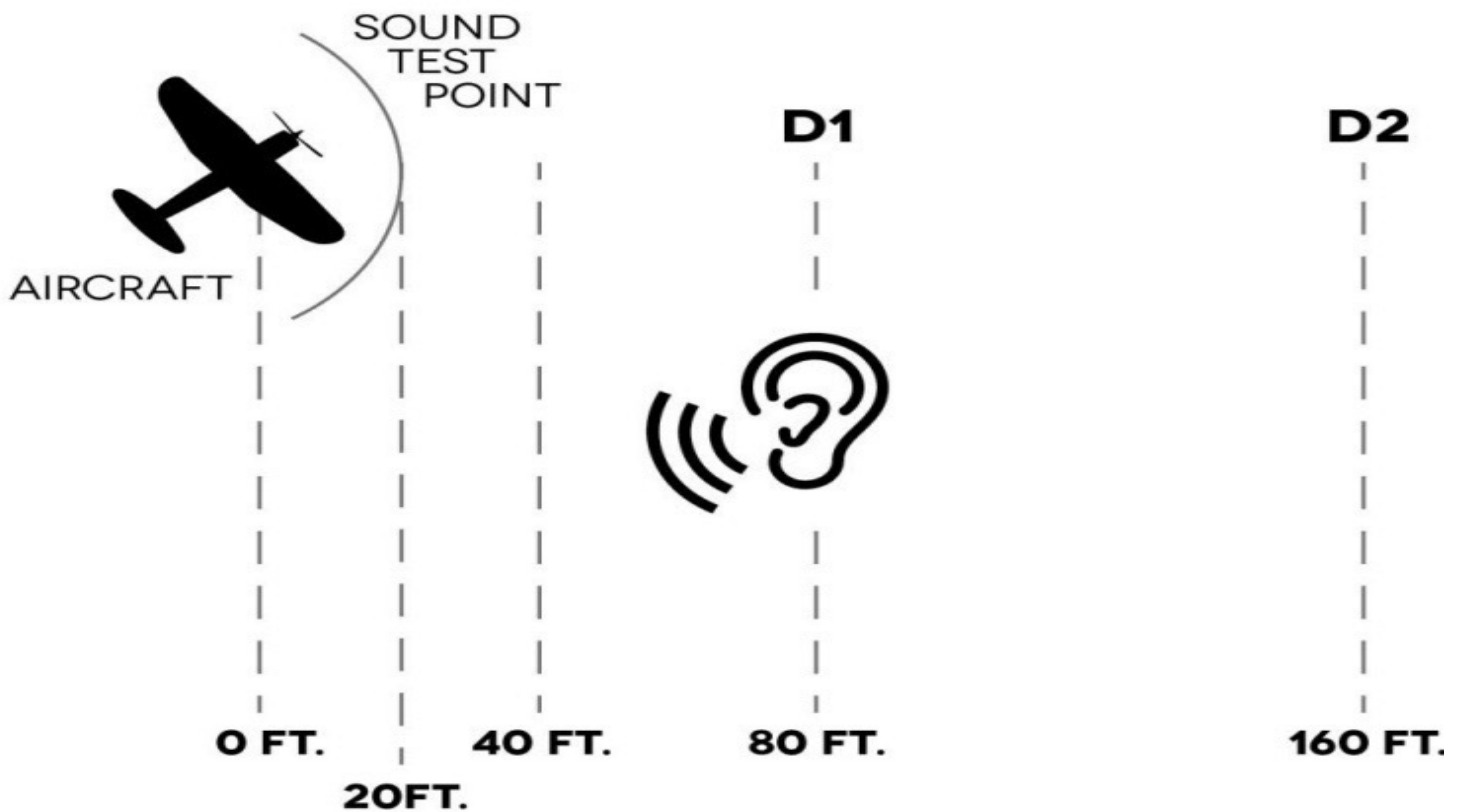
New Business :

-**Summit Helicopters**, has confirmed that operations will be in full swing by December however, they may not be completely moved in the facility across from our clubhouse during at that time. They have their Certificate of Occupancy as of the end of September. **REMEMBER there will be a lot more activity out here and on the flight line. REMINDER ~ IF YOU SEE A BIRD OF ANY KIND (PLANE OR HELICOPTER) OR IF YOU SEE ANY PEOPLE ** DO NOT FLY !!!**

◆ **PER THE PRESIDENT AND THE BOARD OF DIRECTORS**, have mandated that we do not want to put an aircraft down anywhere near Summit's employees nor their equipment !!

Sound Table
Sample Noise Test at a Local Flying Site

Distance (ft)	Sound Pressure (dB)
20	96
40 (double the 20' distance)	90 (reduction of 6dB)
80 (D1)	84
160 (D2)	78
320	72
640	66
1280	60



Motion by the BOD & Safety Committee to amend Safety Code

★ **THIS WAS PASSED UNANIMOUSLY AT THE OCTOBER GMM WITH A QUORUM PRESENT!** Thank you for your support – website & documents will be updated after the first of January 2017

- ★ *Your attendance is requested & required at the next General Membership Meeting on October 3rd at 7PM, to vote and pass amendments. Per RVRC's By-Laws ARTICLE XI – AMENDMENTS*
 - ★ *11.01 Amendments by Club: These bylaws may be amended by this Club as may be necessary from time to time and as necessary to comply with local, state or federal law.*
 - ★ *11.02 Notice and Voting: Proposed amendments shall be in writing and shall be mailed or emailed, together with notice of the meeting, to each Club member at least seven (7) days prior to the meeting at which they are to be voted on. Amendments may be considered at any regular or special meeting of the Club at which a quorum is present and shall be adopted upon two-thirds vote of the members present.*
- i. Safety Code Section VI. GENERAL Paragraph E reads:
Noise level for engines shall be tested at the run-up stand per September '95 RVRC guidelines. Lock the plane down on the table with the engine over the ground pad. At full throttle, sound measurements will be taken from the DB meter resting on the 3' post at 10'. With no spectators inside the 10' arc of the DB meter, limits are: below 70 ° F- 99 DB (100 DB if ☉ propeller); above 70 ° F- 98 DB (99 DB if ☉ propeller). ☉ propellers are APC, Bolly, or Menz type.

Proposed

Noise level for engines shall be tested at the run-up stand per ~~September '95~~ RVRC guidelines. Lock the plane down on the table with the engine over the ground pad. At full throttle, sound measurements will be taken from the DB meter resting on the 3' post at 20'. With no spectators inside the 20' arc of the DB meter, limits are: ~~below 70 ° F- 96 DB (100 DB if ☉ propeller); above 70 ° F- 98 DB (99 DB if ☉ propeller).~~ ☉ for propellers which, are made of Wood, Plastic or Composite type of materials.. If aircraft readings are over 96 DB then the approved motor manufacture noise abatement muffler shall be installed on the engine before aircraft can fly. EDF (Electric Ducted Fan) & Turbine jets will be tested in the same way. To be in accordance with AMA guidelines here: <http://www.modelaircraft.org/files/927.pdf>

- ii. Safety Code Section VI. GENERAL Paragraph N reads:
The field is normally open for flying every day of the week except Sunday morning. No powered models may fly until after 12:00 noon on Sundays only. Other scheduled events may close the field to general flying. Every effort will be made to give the RVRC membership advance notice of the field closing for whatever reason.

Proposed

Model aircraft may be flown every day of the week with the exception of Sunday mornings until 12 noon during such time no internal combustion engine powered aircraft are to be flown. Other scheduled events may close the field to general flying. Every effort will be made to give the RVRC membership advance notice of the field closing for whatever reason.

- iii. All instances in the By-Laws and Safety Code referring to AL JAMES or TIMBER TRUSS to be replaced with **SUMMIT HELICOPTERS**

-Models of the Month: none presented

-Meeting Adjourned: 7:49 PM

**Let's keep in mind that it's Summit's land & we are stewards of their property.
It is a privilege to be here, therefore we need to respect their wishes and demands.**

-Items of Interest:

Newsletter Submission Date Change; Secretary has moved date to 2nd Monday of the Month preceding publication to enable an earlier and more timely distribution of the newsletter to the General Membership. Office of the Secretary's goal is to have the Newsletter presented and posted to the website with in 7-10 days after the monthly General Membership Meeting.

-The creation of our [FaceBook Page](#) has now over 64 members strong and still growing. That's 2 new members over last month !! The BOD feels that highlighting club events along with club members aircraft builds, tips, tricks, and techniques is a positive support for our members, the sport and our hobby as a whole. Reminder this is a closed page and you must ask to join and Gary, Derrick, or David will admit you as they are Admin Users.

-Night & Day Fun Fly's – if you have dates or types / styles of fun fly's please start a forum post on RVRC's website & [FaceBook Page](#) and please notify [Board via email](#) of your interest.

-FAA registration of our members **is required**, ***ALL*** members should be registered at www.faa.gov/uas/registration . Once registered pilots will receive a Federal registration number that is to be placed on or within aircraft over 250 grams (0.55 lbs.). Members are encouraged to continue placing their AMA numbers on their aircraft as well. Members only have to register once, they do not have to register each unique aircraft. The FAA requires registration regardless if you fly a multi-rotor, helicopter, fixed wing, or any other type of radio control model aircraft that uses a ground control system with a communication link, such as a transmitter.

-Renewals for year 2017-2018 ~ BOD will be planning on implementation of payments on-line via PayPal and renewal registration & new member registration on our RVRC's website. BOD is currently in planing and development stage of this undertaking, however it is our goal to have this in place and ready for implementation for next March / April time frame.

★ *Please understand this is a work in progress for the renewals ~ we are trying to make it easier for you*

Safety Highlights:

-Safety Committee Reports:

- ▶ **It doesn't matter if anyone gives you permission to fly and they're on the field DO NOT FLY as this is a liability issue !**

- ▶ From *RVRC's Safety Code* ... section **VI. GENERAL**
 - M.** *If a member is found to be in repeated violation of the AMA and RVRC Safety Codes, the member shall, at the discretion of the Board, having flying privileges restricted and/or brought before the general membership for a vote on expulsion from the Club.*
 - N.** *The field is normally open for flying every day of the week except Sunday morning. No gas or glow powered models may fly until after 12:00 noon on Sundays only. Other scheduled events may close the field to general flying. Every effort will be made to give the RVRC membership advance notice of the field closing for whatever reason.*
 - O.** **Flying is to cease when the lawn service is mowing the field or the hay cutters are inside RVRC's normal operating area.**

- ▶ **This applies to any persons on the airfield during all times !!**

-First Aid Kit

- ★ Due to recent events at our field we are moving the First Aid kit to the Shed under lock ... all members should have combination to the shed; if needed please see a Club Officer

- ★ We want everyone to be safe ... and *please* by all means use the items that you require for minor First-Aid but ***please*** let a Board Member and the Safety Committee know if something is used so that we can replenish it and have it available for the next member

- ★ ***Please*** by all means let a Board Member and the Safety Committee know if something used for the health and well being of our members needs to be corrected.

Safety Highlights (con't):

- **Do not** use DSM2™ receivers in your aircraft !
- Be mindful of spectator's locations and their safety at ALL times.
- All members *please* review the [Safety Code](#) (**WEBSITE HYPERLINKS IN BLUE**) in its entirety.

★ We've had many members ask, who have been at the airfield during the week mid-day ... so *please* review the above link as it is stated what the proper procedures are to be followed in certain cases !

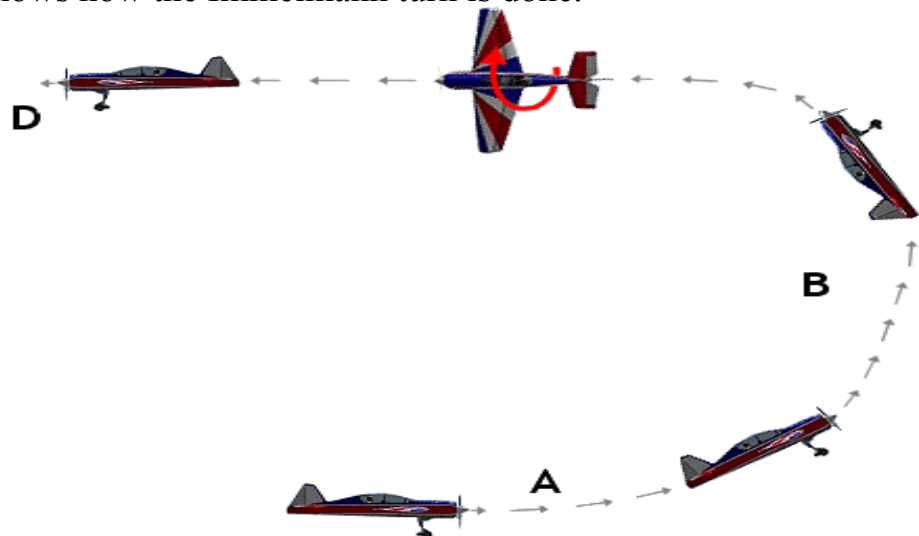
★ If there is **ANY full scale aircraft or personnel on the field then there is to be NO R/C FLYING AT ALL !!!!** This includes: Summit personnel, Mowing Crews, Salem Utilities, Salem Waste Disposal and dump truck, Port-A-John personnel and tanker truck. *It doesn't matter if they give you permission to fly and they're on the field DO NOT FLY as this is a liability issue.*

▶ ***Large War-Birds and Jet Pilots especially*** , but all pilots should, start practicing using an Immelmann Turn at the East End of the Field and Runway strip. This should be performed now so as to keep all R/C Aircraft away from the Cessna C182 Hangar and away from ALL buildings.

▶ If you don't know how to perform this maneuver ... it is explained below:

- Fly the plane straight on level flight **Step A**
- Start with 90 degree half-roll climb up using up-elevator until the plane is head back to the opposite direction **Step B**
- Keep the plane in straight and level inverted flight.
- Half-turn the plane to a normal flying position using aileron, you will now be heading opposite to the first direction but gaining higher altitude. **Step D**

➤ This picture shows how the Immelmann turn is done.



➤ **Pro Tips:**

- * When you are comfortable with this maneuver, start matching the speed of the half roll to the height of the half loop . If your roll is short, slow down the half roll to add symmetry to the two components.
- * A tight half loop will make the maneuver much smaller but will provide greater exit speed!

WARBIRDS OVER SALEM

FIND US HERE
WWW.RVRC.ORG
OR
FACEBOOK: RVRC.ORG

BRING YOUR WARBIRD
AND COME FLY WITH US

 SALEM
WANTS
YOU!

10/22/2016

NO LANDING FEE
ALL SIZES WELCOME
50/50 RAFFLE
MUST HAVE AMA



★ We've had major success with WAR-BIRDS OVER SALEM !!! We had a lot of static displays for spectators to observe such as a 10 foot USN 1/32 scale battleship model, even though it was a windy day we had lots of fun and a special thanks to our food Vendor ~
Cindy's Sweets, Treats and More !



Tidbits from the Secretary

by, David Vietmeier

War Birds Over Salem Pictures ...



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War Birds Over Salem Pictures...



In a joint task force, Roanoke Valley Radio Control Club,
Commando Supply & The Roanoke Military Vehicle Club present..

WARBIRDS OVER SALEM

SATURDAY OCTOBER 22, 2016

10AM-3PM

SPONSORED BY:

CROSSROADS HOBBIES
COMMANDO SUPPLY

NO LANDING FEE

RAFFLE PRIZES & 50/50 RAFFLE

TROPHIES FOR BEST OF SHOW

FOAMY ELECTRIC BATTLE TO THE DEATH

FOOD VENDOR PRESENT

PILOT MEETING AT 10AM

MUST HAVE AMA



**SALEM
WANTS
YOU!**

**OPEN TO
PUBLIC**



PILOTS RSVP TO:

STAFF@RVRC.ORG

WWW.RVRC.ORG



525 McClelland St.
Salem, VA 24153



Roanoke Valley Radio Control, Inc.

Board Officers

Gary Jordan	588-9969	President
Derrick Smith	(832) 472-5636	Vice-President
Jim Bowen	389-4243	Treasurer
David Vietmeier	314-8421	Secretary & Newsletter Editor

Board Members

Bruce Davidson	384-6760	Member at Large
Richard Alexander	204-8767	MAL & Safety Chair

Committee Chairs

Bill Morgan		Field Maintenance Chair
Jeff Stubbs	cd@rvrc.org	Contest Director
Mike Fetz		Safety Committee Member

\Flight Instructors please contact the Board at: board@rvrc.org

The RVRC holds regularly scheduled meetings on the
1st Monday of each month at the field in Salem.

Submissions to the newsletter are welcome & encouraged—
especially any tips or hints to help fellow modeling
enthusiasts. Items wanted to buy, or for sale, are also welcome.

Please mail information to:

RVRC
Office of the Secretary
P.O. Box 241
Salem, VA. 24153

Or send your correspondence electronically to:

secretary@rvrc.org

**DEADLINE IS THE 2nd Monday OF EACH MONTH
PRECEDING PUBLICATION**

Next RVRC meeting Monday, *November 7th, 2016,*
at 7PM ~ RVRC Clubhouse & Airfield

Up to the minute weather at the airfield