

# The Flight Box



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*Up to the minute weather at the airfield*

## Letter from the President

February 2017

Hello Everyone,

It appears that Summit is up and operating in their new building.

I am looking forward to the coming year !!

We still have the 2 main events on schedule; June 17<sup>th</sup> will be the Wings Over Salem event.

Warbirds is still gearing up ... for middle of September.

Looking forward to the coming warmth, hope to see you out there.

~

Gary Jordan  
RVRC's President

# Dispatch

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Up to the minute weather at the airfield

## Note from the Vice-President

February 2017

*Hello All,*

*The Wings Over Salem (WOS) & War-Birds Over Salem (WBOS) events are in full swing in the planning stages. WOS is just around the corner and will be on the Saturday preceding Father's Day, June 16<sup>th</sup>! WBOS won't be that much far behind WOS as it is scheduled for Saturday September 16<sup>th</sup> ~ please mark your calendars !!*

*The Board Of Directors have many things of interest planned for these events ... but we need everyone's help in making these events a success !*

~

Derrick Smith  
RVRC's Vice-President

## Minutes of the General Membership Meeting

### Meeting called to order: 7:00pm

- 8 members present, 0 junior member (s), 0 Associate, and 0 guests
- a quorum (19) **was not** met

### Guests:

- none

### Reminders:

- ★ **You must be a Member in good standing, aircraft labeled with FAA & AMA#'s, along with dues current with the AMA and RVRC to fly at RVRC's Airfield !!!**
- ★ **REMEMBER THAT YOUR AMA Membership used to expire at the end of December, however this year the AMA has some members that their expiration terminates on the 31<sup>st</sup> of other months ! *Also, if you haven't renewed by the end of the month preceding the month of your expiration date with the AMA you will be sent a reminder letter. If you fail to renew with the AMA then you will be ISSUED A NO FLY until you present the BOD's a valid AMA card. The club roster will be updated monthly and will be available on the website with the members by name only along with their respective club affiliation status and expiration date.***
- ★ **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 7 (2016) has lead Summit to hang signage on the exterior of the fence. There is to be NO ONE ON THEIR LAND without 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.**

## **Reminders: (con't)**

**-Renewals for year 2017-2018** ~ David & Jim are working on implementation of payments on-line via PayPal for renewal registration & new member registration on our RVRC's website. The Treasurer & Secretary are in the development stage of this undertaking, however it is our goal to have this in place and ready for implementation for April 2017 time frame.

★ *Please understand this is a work in progress for the renewals ~ we are trying to make it easier for you in the future ... hoping to have this launch in April  
STAY TUNED ... DETAILS TO FOLLOW ....*

★ Renewal Forms and New Membership Forms have been updated on the website under the Membership Information tab on the Home page.

## **Announcements:**

**-Field Clean Up Day in March ...** Date announced during our February General Membership Meeting to be in mid-month, Saturday 11<sup>th</sup> or 18<sup>th</sup>, depending on the weather. Among our normal annual clean up duties; Gary will have a log splitter & the plan is to cut up some of the trees taken down last year and use for firewood in our airfield pit during events & get togethers.

**-Summit will be installing another windsock on field Cessna hangar & on top of the RED ROOF building,** due to the weather's high gusty winds they have not faired well this last year.

**-Fly~In events have been scheduled at the February Board Of Director's Meeting**

★ **Wings Over Salem** is Saturday, June 17<sup>th</sup>

★ ... click on the event name in BLUE to register on RC Flight Deck

★ **War-Birds Over Salem** is Saturday, September 16<sup>th</sup>

# Treasurer's Report

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

RVRC Treasurer's Report for Jan 2017  
Prepared Feb 5, 2017

Checking Acc't	\$5,260.44
Money M'kt Acc't (as of Jan 31, 2017)	\$34,765.94
Total funds:	\$40,026.38

## Income/Expense by Payee - Jan 2017

	Checking Account	
1/1/2017	Beginning Balance	5,692.63
DEPOSITS		
	None	\$0.00
	Deposits, total	\$0.00
EXPENSES		
	Payee:	FOR:
1/16/2017	David Vietmeier	246.78
1/19/2017	Tidy Services	70.00
1/21/2017	City of Salem	10.00
1/21/2017	City of Salem	89.64
1/21/2017	Lowe's	15.77
		Database software and mat'ls for Secretary
		Porta John service
		Monthly dumpster lease fee
		Monthly electric bill
		Replacement timer for heater.
	TOTAL EXPENSES	\$432.19
1/31/2017	Closing Balance	\$5,260.44

## Announcements: (con't)

**-Referral incentive program initiated ...** The proposed plan is to help increase the growth of the club membership. If you are a current voting member with the club, you qualify for the program! Sorry non-voting members do not qualify (Associate or Youth).

How it works: if you are able to bring a new member to the club and they decide to join and use you as referral, which **MUST** be written on their application, then you as the referring club member receive a \$20 gift certificate to be used at Crossroads Hobbies.

So bring your co workers, neighbors, and friends ... but there is a catch ... you will be that person's **mentor** for the following year until they renew. This will help the new recruit get their wings and learn the ups and downs & in and outs of our wonderful hobby!

The rules are that they have to sign up as full membership with voting rights, and you are only able to make one claim to this new and exciting program once per year. You are also going to be responsible, as their mentor, in as it is your responsibility that you will go over the rules of the club (Safety Code and By-Laws), watch over the individual on the flight line. Help teach them perform pre-flight checks of aircraft, flying, building techniques and also by sharing your guidance and experience in the hobby. This takes place until the "**newbie**" renews at the following year. By that time this person should be able to bring someone else into the club as a mentor.

## Old Business:

### **-Discussions being held on field improvement:**

Something to be done for reduction of dust under canopies.

Paved runway improvements ~ repair cracks & dips in order to make it more level.

- ➔ David Vietmeier, is working with a sister company of his employer that specializes in highway work for recommendations and quotes. David has a meeting scheduled in late February for runway site evaluation.

- ➔ 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 ask is advanced notification before activities begin !

## New Business:

**-2017 Budget** will be available for the March General Membership meeting for review, BOD's will be discussing line items during their February meeting.

**-Models of the Month:**

None submitted for presentation ...

**-Meeting Adjourned: 7:32 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.**

**-Summit Helicopters**, has confirmed that operations will be in full swing by December of 2016 however, they may not be completely moved in the facility across from our clubhouse during that time. They have had 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 & THE BOARD OF DIRECTORS,**  
have mandated that we do not want to put an aircraft down anywhere near Summit's employees nor their equipment !!

**-Items of Interest:**

**-The creation** of our [FaceBook Page](#) has now over 71 members strong and still growing. 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 & our hobby as a whole. The President, Vice-President, & Secretary 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](http://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.

★ Question was raised about FAA renewals ~ you will be notified from the FAA every 3 years.

## Safety Highlights:

★ **By-Laws and Safety Code has been UPDATED in January on website and in hard copy !!**

## -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.*** 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.
  - 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 !

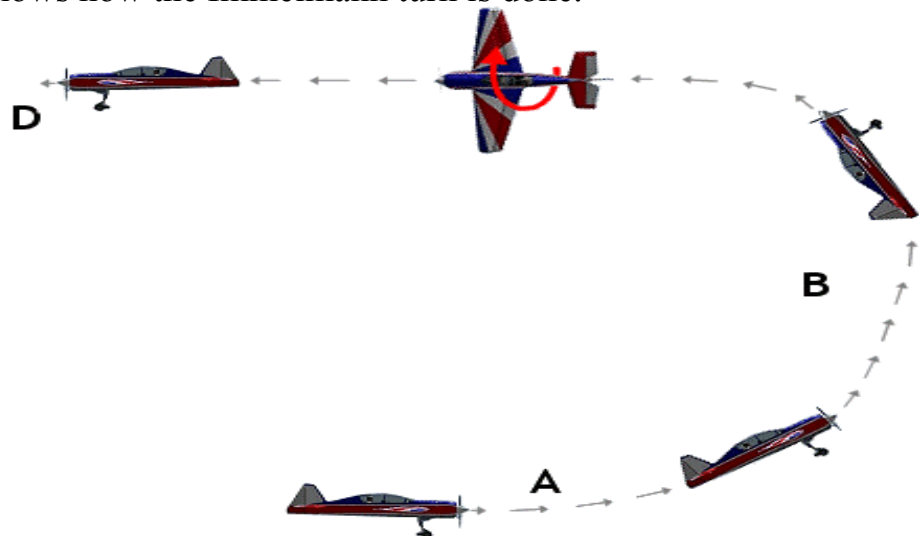
★ If there is **ANY full scale aircraft or personnel on the field then there is to be NO R/C FLYING AT ALL !!!!** This includes: Summit personnel, Mowing Crews, Salem Utilities, Salem Waste Disposal and dump truck, Port-A-John personnel and tanker truck. *It doesn't matter if they give you permission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

## Safety Highlights (con't):

### **-Early Warning Alert System (EWAS): REMINDER:**

→ Jim Bowen reports that: The Aircraft Warning Alert System (AWAS) is now installed and functioning at RVRC's airfield and logging properly.

- **When an incoming manned aircraft pilot triggers the system by radio, a flashing red beacon light is illuminated. The beacon is located on a pole at the fence beside our RVRC runway. The beacon can be activated any time of the day or night and will continue to flash for ten minutes once triggered. If the system is re-triggered while the beacon is flashing, the timer is re-set to end ten minutes past the latest re-triggering, extending the beacon time.**
- **During the day, from about 8:00 AM local time until a few minutes after sundown, an audible alert is also triggered at the field when the beacon is triggered. The audible alert is an alternating high-low tone that lasts for 15 seconds, is silent for 45 seconds, recurs for 10 seconds, is silent for 50 seconds, recurs for 10 seconds, then remains silent, unless the system is re-triggered.**
- **The beacon and audible alerts tell our model aircraft flyers to land immediately, as a manned aircraft is approaching with intention to land. We hope this system will improve safety at the field. Our members must remain vigilant for manned aircraft, however, because not all the Summit helicopters have radios. Our members need to land immediately whenever a manned aircraft approaches the field, whether or not the AWAS system is activated.**
- The system also keeps a log of the times of the alert events, to help in diagnosing any problems that may occur.
- **Approach Flight Pattern** we have details on an approach vector and fly by from Summit's meeting ~ details are that Summit's pilot's intentions:  
*Circle the field, signaling the AWAS, then come in for approach from the South to the West ... meaning we need to land our R/C aircraft ASAP !!*
- 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 !!*

# Tidbits from the Secretary

Members,

I wish to add some insight into this sport and hobby we all love and ask for your insight as well ... not just in modeling but education also. We have a rich history in this club as it has been in existence over four decades. We have many members with talents and varied experience that I ask for those individuals if they remember instances of positive and remarkable things that have happened in our club history to please share them for submission in our Newsletter.

Sincerely, David Vietmeier

## Members did you know ...



XC-SOL | Copyright by Zane Adams | 1980-04-00 | GPM | Airport-Data.com

On February, 18<sup>th</sup> 1973: Aérospatiale company pilots Daniel Bouchart and Didier Potelle land their SA 319B Alouette III helicopter, similar to the one in the photograph above, at the summit of Mount Kilimanjaro, an elevation of 19,341 feet. Three days later, they landed atop Mount Kenya, the second highest mountain in Africa at 17,057 feet.

This helicopter is extremely effective at high altitudes and is widely used in the Alps, the Canadian Rockies and the Himalayas. The SA 319B is a development of the previous SA 316B. It is a seven-place, single-engine, light helicopter, operated by one or two pilots.

The helicopter's fuselage is 33 feet, 3.2 inches long, with a main rotor diameter of 36 feet, 1.5 inches.. It has a height of 9 feet, 8.9 inches, measured to the top of the rotor mast.

The three-bladed articulated main rotor turns clockwise, as seen from above. (The advancing blade is on the helicopter's left side.) Main rotor speed is 353 r.p.m. at 100%. A three-bladed tail rotor is mounted on the right side of the tail boom in a pusher configuration. It turns clockwise as seen from the helicopter's left side. (The advancing blade is below the tail boom.) The tail rotor has a diameter of 6 feet, 3.2 inches. The tail rotor speed is 2,001 r.p.m.

The Alouette III has an approximate empty weight of 2,436 pounds and maximum takeoff weight of 4,630 pounds.

The SA 319B is powered by a Turboméca Astazou XIV turboshaft engine, capable of producing 870 shaft horsepower, but derated to 660 shaft horsepower. This provides a power rating of 90 horsepower more than the earlier helicopter's Artouste IIIB engine. The engine turns 33,500 r.p.m at 100%.

The SA 316B Alouette III has a cruising speed of 112 miles per hour and a maximum speed 130 miles per hour at Sea Level. Its range is 311 miles, and the service ceiling is 21,325 feet.

The Alouette III has a :  
Hover Ceiling in Ground Effect (HIGE) of 13,944 feet  
Hover Ceiling Out of Ground Effect (HOGE) of 6,562 feet.  
It's rate of climb is 1,083 feet per minute.

Kilimanjaro is an extinct stratovolcano in Africa. It is the tallest free-standing mountain in the world.

Mount Kenya is also an extinct volcano. Its peak is the volcanic plug of a stratovolcano that was likely once taller than Mount Kilimanjaro.





**Roanoke Valley Radio Control, Inc.**

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

Richard Alexander	204-8767	<b>Board Members</b>	MAL & Safety Chair
Don Hepler	597-7670		Member At Large

Bill Morgan		<b>Committee Chairs</b>	Field Maintenance Chair
Mike Fetz			Safety Committee Member

\Flight Instructors please contact the Board at: [board@rvrc.org](mailto:board@rvrc.org)

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](mailto:secretary@rvrc.org)

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

**DEADLINE IS THE 2<sup>nd</sup> Monday OF EACH MONTH PRECEDING PUBLICATION**

**Next RVRC meeting Monday, *March 6<sup>th</sup>*, 2017,**  
**at 7PM ~ RVRC Clubhouse & Airfield**

*Up to the minute weather at the airfield*