

MON VALLEY R/C CLUB

NEWSLETTER

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April 2015

CEDAR CREEK PARK

AMA CHARTER CLUB NO. 546

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[Mike Eiben](#), Vice-President..(412) 304-7048

[Janet Poague](#), Secretary.....(412) 531-4924

[Ron Doctorick](#), Treasurer....(412) 655-8362



## President's Corner

Fellow MVRC Members:

I wish to thank all of the RC members and their friends and relatives for participating in the "March For Parks". It was a very cold day although many people attended the event. I was very impressed with all of the pilots that brought their aircraft and set them up for display in the tent. The Westmoreland County Park employees did a fantastic job of setting up everything from tents, shelters, booths, tables, chairs, fire rings with lots of wood to burn (great warming areas), electricity, lighting, signs, coffee, hot chocolate, water, donuts, cookies, sandwiches, posters showing future park expansion plans, raffle prizes, registration area, great DJ with music and loud speaker locations, special parking, a warm up session with a special coach before the March started, photographer for special photos, volunteers, and even a fire truck was on display. The information about the event is being assembled and as I receive it I will report back to you at the next club meeting and newsletter. Special thanks to Mike Eiben, team leader for the MonValley RC club. Mike not only received a number of donations from his own personal efforts but also promoted all of us to work hard for more donations. Janet Poague and Ron Doctorick came through with flying colors by getting their companies to donate five hundred dollars each. Together with donations from last year and this year, we should be getting very close to raising \$10,000. Richard Wojnar, MVRC Club Newsletter Editor, not only was present but took many photos and interviewed people at the March.

Don't forget about our club newsletter. You can view the club newsletter on the web site ([www.monvalleyrc.com](http://www.monvalleyrc.com)). Under the main menu click on newsletter, click on the year that you want to view the newsletter, and then click on the month. Richard Wojnar and Dave Herrington are working hard together to help ensure that the information is there for the club. I will email the club members to let you know when the monthly newsletter is being posted on our web site.

I would like to remind you again that I will guide the club direction by the majority and not the minority members. We are governed by the club bylaws to act on issues and items by voting. In addition, any item that exceeds \$300 will be voted on to be included in the monthly newsletter so that members get advanced notice. A vote will be taken at the following club meeting only after the items have been published in the newsletter. Recent items include additional tables and concrete pads.

I have also created an additional form of communicating with our members, *THE INTERNET USING EMAIL*. I will be emailing club members questions concerning items surrounding club issues and ideas. I will discuss the results at the club meeting and post results. The latest email item was what month shall we have the family picnic. The majority of members have selected AUGUST. We will determine a date in August for the family picnic.

The executive committee is hard at work and has many suggestions and ideas to discuss for our club. The executive committee members include: Rick Altomari, Steve Novacek, Erik Strauser, Mark Szemanski, Jim Cannon and Jack Makepeace. It is important that you communicate with them to let them know about any ideas, issues and suggestions you have for our club. The next time you see them please extend your special thanks for volunteering.

Keep healthy, be safe, have fun flying!

Al

## April 3, 2015 Meeting Minutes

The meeting was called to order at 7:35 PM.

Officers present: Al Kozusko, Mike Eiben

**Treasury Report:** \$9,900.00

### **Executive Committee Report:**

- Researched adding Pay Pal to MVRC website - The cost would be an additional \$1.26 per person. Due to the cost factor, this feature will not be added to the website. There will be no change in the way dues are collected.
- There will be a "Get Together" Work Party on April 25 (Saturday) and May 2 (Saturday) to build tables at the MVRC Field. Al will follow-up with an email to announce the time of the party.
- EC recommended not buying AED at this time. AEDs are available in all police vehicles.

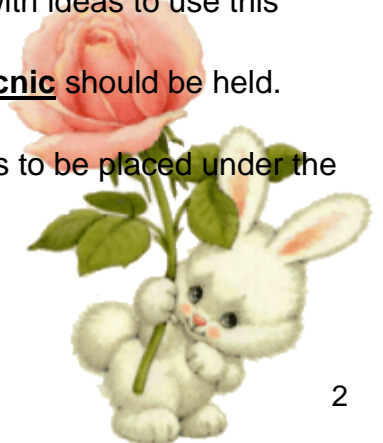
### **Field Report:**

- Restroom will be installed April 7.

**March For Parks:** Preliminary \$3000-\$4000 raised – Final Total TBD.

### **Old/ New Business:**

- Farm area behind the airfield is for sale (33 acres). An agreement has been signed. The park has one year to pay for the property. The EC was asked to come up with ideas to use this land.
- Most of the club members responded to Al's email asking when the **picnic** should be held. The consensus was **August**.
- There was an approval to spend \$800-\$900 to purchase concrete pads to be placed under the field tables.
- The meeting was adjourned at 8:42 PM.



Show 'N Tell.....Vertical Combat and Big Wing

## Lew Marascalco



### Vertical Combat

This scratch built Dollar Tree foam design is based on similar designs at the [Flitetest.com](http://Flitetest.com) website and is referred to as Funbat, Bloody Wonder and Vertical Combat.

I call my version “**Vertical Combat**”. The twin rudders allow it to stand vertical for take-off – straight up. It is a fast, fun flying design. With a long crepe paper streamer, it will perform nicely in the role of RC combat.

Mine has a:

- simple, flat “KF” airfoil wing and a profile fuselage instead of a box type;
- wingspan is 30” overall length (prop to rear edge of elevator) is 25”;
- Weight with 3s 1300 mah LiPo is 14 ounces (10 ounces without)



## Big Wing

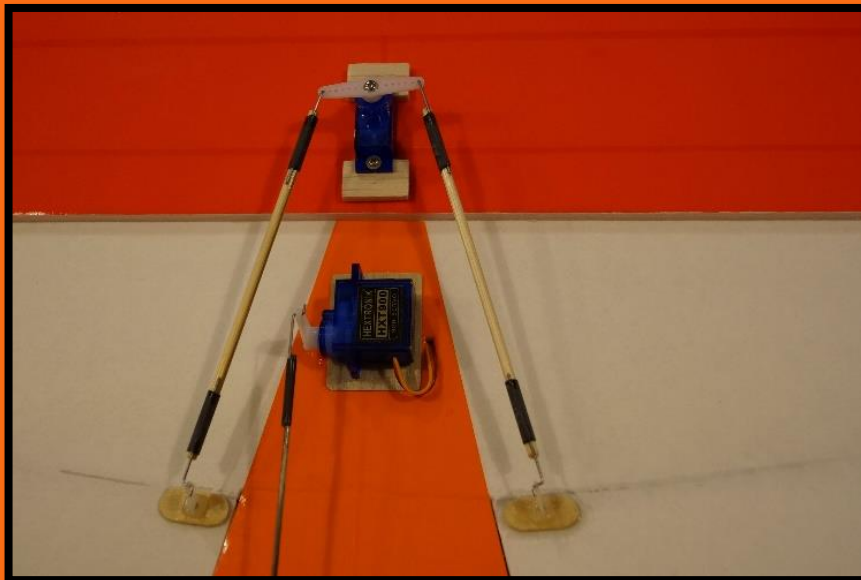
This is a large scratch built flying wing that required seven sheets of Dollar Tree foam to build. The core of the wing consists of two laminated sheets of foam.

The front half section comprising the “KF” airfoil adds an extra foam sheet layer top and bottom for a total thickness of four layers. Leading edge is rounded balsa wood strip.

- The wing span is 60”
- Root cord is 18”
- Sweep angle is 30 degrees

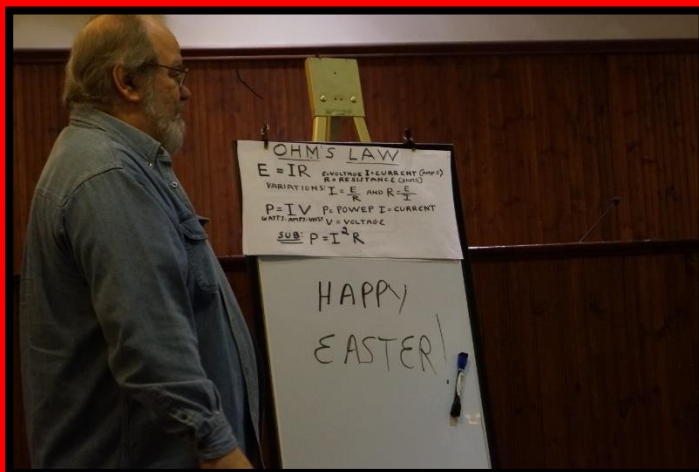
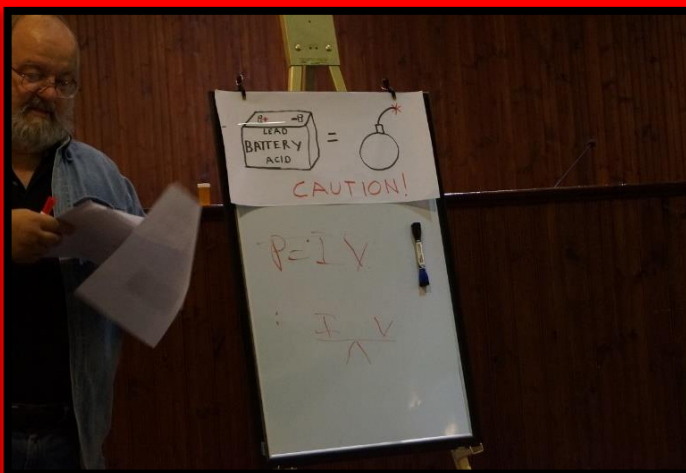
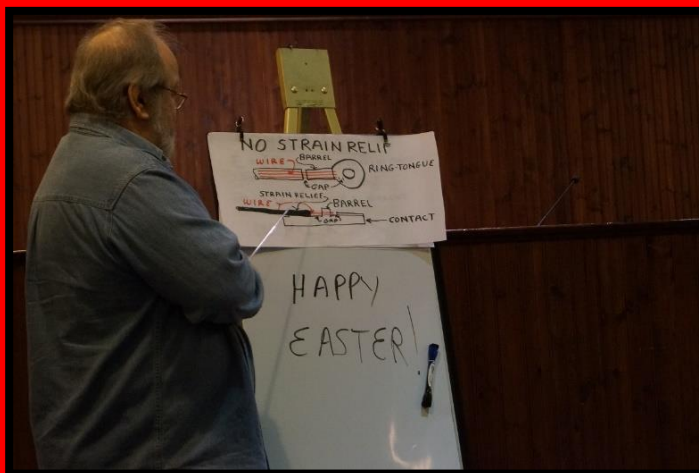
Motor is a Cheetah A-2814-06 (1400 kv, 444 watts max) with a 9x6 APC electric prop; 40 amp speed control. Weight is 38 ounces with 3s 4000 mah LiPo (27 ounces without). The red color scheme is red colored packing tape.

The “Big Wing” has not been test flown at this time.



# Show 'N Tell.....Wire Termination

## George Wilson



Please take some time to read George's 11 page document that augments his presentation. This document can be found on the MVRC Website. Here is an excerpt of his paper. Enjoy!!!!

Wire and Wire Termination  
By George A. Wilson II  
03/31/2015

With the popularity of electric powered RC models it will be helpful to address some common features of wire and wire termination and connectors.

**Wire:** The issues that need to be considered when selecting a wire are the **wire gauge, stranding and insulation type**.

**Wire gauge.** Wire gauge is usually defined by the diameter of the wire for solid wire gauges and both the wire strand diameter and number of strands for stranded wire gauges. Wire gauge will often be expressed as AWG, for American Wire Gauge. Most of the wire used in the RC hobby is stranded wire, because it offers the least resistance to breakage and handles vibration fatigue better than solid wire.

**Stranding.** In order to determine the AWG of a wire, simply measure the wire strand diameter, count the number of strands and then look up the wire AWG. (See wire gauge chart link below)

You will also need to pay attention to the current carrying capacity (Ampacity) of a given wire to determine whether or not it can handle the current that you intend for your load. Please see the attached wire AWG and ampacity tables in the addendum to this article.

**Insulation type.** There are a large number of types of wire insulation from Teflon for high temperature to silicone rubber for flexibility. Many speed controller cables use silicone while servo leads are mostly insulated with PVC. To cover other types of insulation is outside the scope of this discussion, as you are not likely to encounter them in the RC Hobby.

Before I discuss wire termination it will be helpful to consider a few simple electrical formulas that are essential to understanding the relationship among electrical Voltage, Current, Resistance and Power.

In most electrical circuits knowing two of three formula variables allows us to calculate the unknown value. The following four simple formulas will serve you well and if you intend to participate in the electrically powered aspect of the RC hobby, will prove to be invaluable.

They are commonly known as Ohm's Law(s) (so named after German physicist, George Ohm - circa 1825)

**"Ohm's law** states that the current through a conductor between two points is directly proportional to the potential difference across the two points. Introducing the constant of proportionality, the resistance,<sup>[1]</sup> one arrives at the usual mathematical equation that describes this relationship:<sup>[2]</sup>

# Reflections of the 2015 Toledo Expo Show

A Must Read by **Leo Rodriguez**  
AMA District III AVP



Hello Everyone:

I'm fresh back from the 2015 Toledo Expo Show and "Spring is Here"!!! I have a few things to talk about that were brought up in the Annual AMA Dist. III meeting held in Toledo by Mark Radcliff VP of Dist. III and a host of other AMA officials including the President, Bob Brown.

The meeting was kicked off with the issuing of many cash prize awards and recognitions of different clubs. One recognition sticks out for a young, Mr. Hunter. He was chosen for his coming-up-through-the-ranks and was recognized for promoting the hobby of model aviation during the winter months in his area. He started a club in his school and was able to fight the red tape to obtain use of the school's gymnasium for indoor flying, promoting model aviation to many others who normally might not have considered it as a hobby. He was awarded a check for \$795 dollars and was also invited to go to the AMA flight school - all expenses paid.

Camp AMA is a week-long summer camp held at the [International Aeromodeling Center \(IAC\)](#) in Muncie, IN. Campers are given the opportunity to learn and work on their flying capabilities with some of the best RC pilots in the world. Camp AMA accepts teenagers between the ages of 13 and 19 years old with skill levels from beginner to advance.

Campers will get the chance to work personally with instructors, Nick Maxwell and Andrew Jesky. The AMA Youth Ambassadors will help the campers work on techniques as well as show the kids a few flight demonstrations. Instructors will use their expertise to train and teach the campers in all aspects of RC. For those interested, please check out all the wonderful programs AMA has to offer on the official website.

Well, it goes without saying that this is the year for the multirotor—that's for sure. The AMA is doing its part in educating the public and has joined forces with the Association for [Unmanned Vehicle Systems International \(AUVSI\)](#), the [Small UAV Coalition](#), and the [FAA](#) to form the **Know before you fly** campaign, which helps incoming interest get off on the right track when using multirotors. The AMA also team up with [Fly Robotics](#), an Aviation education refined school that can be purchased online and provide courses and ground schools an E-learning format developed by Military UAS flight instructors with the objective in mind of passing the FAA Commercial sUAS operator exam.

We were also told that the Walk of Fame in Muncie, Indiana is growing proportionally with the incoming donations of different increments being shown in the form of a brick. A brick can be purchased to recognize a certain club or individual for his efforts in model aviation - not a bad way to pay homage to someone or to some club (purchasing a brick to be placed in the Walk of Fame).

Well, lots more to come! Let's get out there and Fly Safe! Have a great Flying season this year, and remember be courteous to your fellow flyers!!!

Leo Rodriguez  
AMA Dist. III AVP



# IMPORTANT DATES:



**April**

**3 – MVRC Meeting** – If you can find time to attend as many meetings as you can this year, your input will better serve our club. Meetings are held at 7:30 PM at the Rostraver Municipal Building. Members will be voting on two separate items during this meeting.

**5 – Easter**

**10-12 – Toledo R/C Model Show** – North America's largest and longest running R/C model expo. This three day event showcases all types of R/C models. (Click the link above for more details.)

**25 – Work Table Building Party** - MVRC Airfield - 9:30 am (See Note Below)



**May**

**1 – MVRC Meeting** – **Location Change**  
-If you can find time to attend as many meetings as you can this year, your input will better serve our club. Meetings will now be held at **7:00 PM at the MVRC Airfield.**

**2 – Work Table Building Party** – MVRC Airfield – 9:30 am (See Note Below)

**10 – Mother's Day**

**25 – Memorial Day**

## **ATTENTION MEMBERS:**

Please mark your calendar. **Saturday April 25th and (if needed) Saturday May 2nd @ 9.30am.**  
**Your help is needed to make some improvements to our flying field.** We need to build 3 airplane starting tables and lay concrete pads to put all of the new tables on.  
I will bring all the necessary tools to build the tables.

**What we really need help with is hauling and laying the concrete pads. If anyone has access to any tools or equipment listed below please let me know ASAP.**

**Sod cutter**  
**Mini excavator**  
**Truck or trailer to haul the pads.**  
**Anything else that would help. Open to suggestions.**

Please email or call me if you have any questions.

Thank you

**Steve Novacek**

**Cell 412.513.8387**

# MARCH FOR PARKS – March 28, 2015



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Oh yeah, spring is in the air! I can almost smell the nitro and see the batteries charging. If this is not one of the best times of the year (weather-wise), please tell me what is? As previously stated, Linda and I joined the club in October of 2014 and with winter approaching there wasn't a "whole lotta shakin' going on".

But now, we are easing into the spring season and the cabin fever is behind us. Now it is time to show off those winter projects and get on with the flying! Being new to the hobby I currently do not have the expertise to build an intense winter project, however, what really got me through the cold winter months were the Show 'N Tells at the MVRC meetings!

Picking up tips from the experts in our club are priceless. One way to do this is to attend the meetings, the other way is for our members to take an active role in the Show 'N Tells. What you may think is common knowledge, knowledge that everyone in the club knows, may not be so. What you are comfortable teaching and presenting to us at the meetings is *extremely valuable* information, especially to the newer folks. No one knows everything about anything! Presentations such as: Building planes from scratch, Soldering, Making Molds, Wire Termination, Servo Placement, Batteries, Receivers, etc. are just some of the valuable knowledge that was shared at the Show 'N tells.

I would like to pass along my sincere thanks and gratitude to all the club members who took their time to share their knowledge and passion about their topics as I learned a great deal from each presenter. Since the next club meeting will be held at the field, the Show 'N Tells could be even more exciting! You will have the field as your canvas!!

There is a great deal of expertise in the club and now is such an important time to pass it along. This 2015 flying season promises to be extremely eventful! The new restroom is being installed, tables are being built, the grass crews are ready to begin their duties, the property behind the field is being sold, obtaining field electricity is still in the works, the club is growing with the addition of many new members, getting prepared for the Giant Scale Show, and the annual club picnic in August (this year) are just a few items and events to look forward to in 2015.

Now, sadly, back to our house keeping issues. I realize we are all very busy preparing for the upcoming flying season, but please keep in mind your newsletter. We really need to bolster up the Classified Section and the Product Review Section. Your prior or current military photos are important for us to be able to recognize all of our veterans, family flying photos, model aviation photos and events you attend along with your thoughts about the events are of interest to us as well. Many of you can share trivia that would enhance the trivia section. This would be a real benefit to all of us. Club members look forward to reading the trivia. We are looking for a young flyer to spearhead a column for the young flyers. What better way to have an account of your RC journey than to share your thoughts as you experience them now and look back at them in 10-20-30 or more years. We appreciate all of your thoughts and suggestions. Whatever you may believe is news worthy should be shared with me so we could add sections in the newsletter that are of interest to you. It's never too late to send your ideas or suggestions to me. Please email me and together we will make it happen.

Looking forward to being at the field and flying with you! As always, we support our troops.

Rich

# PRODUCT REVIEW

Have you used any products that you could share your favorable or unfavorable comments with other club members?

We'd love to hear from you!



## Education Section: Test and Expand Your RC Knowledge

### You-Tube Video/ Internet Link Sections:

*Do you have any online videos or Internet links that you found to be interesting and helpful to you – ones you would like to share? Please send your videos to the newsletter editor for publication in the next newsletter.*

**Note:** If you click on a link and the link does not take you directly to the website, hold the CTRL Key (Control Key) on your computer with your left index finger while simultaneously clicking the highlighted link with your mouse.



(From Walt) Third World Space Programme	<a href="https://www.youtube.com/embed/pD_yQZ4iNjY?rel=0">https://www.youtube.com/embed/pD_yQZ4iNjY?rel=0</a>
Maker Hangar: Episode 2 Motors/ Propellers	<a href="https://www.youtube.com/watch?v=YJ7qqYRifzU&amp;feature=youtube_gdata_player">https://www.youtube.com/watch?v=YJ7qqYRifzU&amp;feature=youtube_gdata_player</a>
Maker Hangar: Episode 3 Electric Speed Controllers	<a href="http://www.youtube.com/watch?v=tx3Y9VWOPjl&amp;feature=youtube_gdata_player">http://www.youtube.com/watch?v=tx3Y9VWOPjl&amp;feature=youtube_gdata_player</a>

Dear Members:

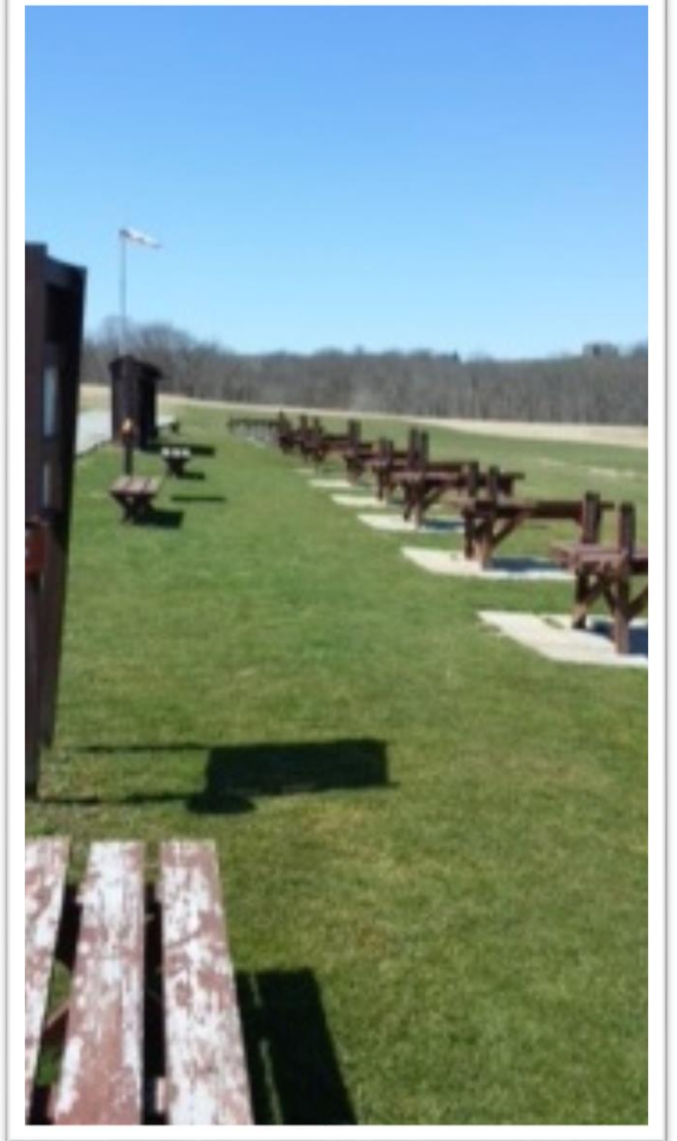
If each member would contribute at least one item for the newsletter, the newsletter will truly become YOUR newsletter in every sense of the word.

Your contribution could come in the form of a product review, a You Tube Video you felt had value, photos, trivia question/ answer, classified ad, Show 'N Tell at a club meeting, etc.

To the members who already have contributed to the newsletter, I can't thank you enough!!!!

Rich

We've Come a Long Way..... (Thanks, Mike B.)



# Rich's Kitchen

## French Onion Soup

### Ingredients to purchase for this recipe:

3lb Onions	8 Cups Beef Broth	4 Tbl salted butter	2 Tbl olive oil
1 Tbl salt	2 Tbl pepper	1 Tbl sugar	2 Tbl flour
Sliced bagettes	Shredded Gruyere Cheese	Shredded/Sliced Mozzarella Cheese	

I usually doubled the above ingredients in order to freeze the remainder of the soup.

A few important things to remember: Caramelize the onions and heat the broth before adding to the onions. The recipe is a bit lengthy, but cutting corners will affect the final product.



A shallow utensil is preferred to prepare the soup. When I double the recipe, I use a very large stock pot and it works very well.



Slice the onions - cutting them into half-moon shapes. Don't worry if you have a bit more than 3 pounds as they will wilt down. Melt the butter and oil in the pan and then add the onions. Stir the onions in order to coat. Cover and simmer over medium heat for 15-20 min. Next, add the salt, pepper, and sugar. Cook uncovered for approx. 45 min. to an hour on medium heat.



During the cooking process, periodically stir the onions in order to prevent burning and to assure caramelizing occurs. Lower the heat a bit as you get to the end of the process. Heat the broth in a separate pot. Do not add room temperature broth to the onions. Once the broth is near boiling, add to the caramelized onions and simmer for at least an hour with the lid almost covering the pot.



Slice the baguette. Drizzle with olive oil and toast. Once toasted, rub the toasted baguette with a clove of garlic.



Now put the baguette on a square piece of foil. Cover it with cheese and sprinkle cheese around the baguette.

Place under the broiler until slightly burnt around the edges.



Once the cheese covered baguette is cool, slowly peel off the foil. Now with the very hot onion soup in the crock slowly place the baguette on the top. The hot soup will reheat the cheese and slowly melt into the crock instead of wasting it down the sides of the bowl.



*Comments:*

I intended to make Chicken Marsala this month, but I received a few requests for the French Onion Soup Recipe and for dough making.

In May's Newsletter, you can look forward to my recipes for making dough for pizza and noodle dishes (egg and pasta noodles). Many cooks think flour is just flour and there's no need to buy/make different types of flour, but my section next month will show you the value and importance of being more knowledgeable about this special ingredient.

If you are interested in learning how to cook a specific meal, send your request to me.

When you try my recipes, please remember to send me your feedback.

**TRIVIA QUESTIONS:**

Answers on Page 32



- 
1. Where was this photo taken?
  2. What is the connection between these vehicles and one of our MVRC members?
  3. In what article were these vehicles featured?

## Classified Section

Please send the information you would like to post in this section for inclusion in the next newsletter to [richardwojnar@yahoo.com](mailto:richardwojnar@yahoo.com) by May 6.

You might also desire to attach a photo of your item(s) and your contact information as well.

We missed your ad this month!

# Winter-to-Summer Project...In the Wings! - Rick Hammel



Can't wait to see next month's progress!

Think Spring/Summer....Feeling the Heat?











## Restroom Addition to the MVRC Field



HAPPY VETERANS DAY  
A SALUTE TO OUR MON VALLEY RC CLUB MILITARY  
MEMBERS  
WE SALUTE YOU!!! THANK YOU FOR YOUR SERVICE

This page will remain active in all of our newsletters in order to give our veterans enough time to locate photos from the time period when they served in the military. As we receive their photos, we will post them on this page.

To us, Veteran's Day is every day!!

**May 16** – Armed Forces Day

**May 25** – Memorial Day

# J & C Hobbies Website

**"Big Toys For Big Boys"**  
www.jchobbies.com

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*Did you know the answers to the Trivia Question?*



1. **Where was this photo taken?**

*Consol Energy Center*

2. **What is the connection between these vehicles and one of our MVRC members?**

*As you can see in the photo below, Al Kozusko, MVRC President, is one of four pilots who flies these vehicles for the Pittsburgh Penguins.*

3. **In what article were these vehicles featured?**

[Model Aviation Magazine – March 2014 – Article: RC Airships](#) (Active Link)

