



NVRC



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NVRC is one of the largest radio control clubs in Virginia with over 200 members. Our flying field is located at Poplar Ford Park. The club includes pilots in all areas of radio-controlled flight: sport, giant scale, electric, sailplane, aerobatics, combat, and rotor. NVRC has members with decades of expertise to share in many types of flying and building. Whether you're a beginner or someone looking for advanced techniques, there are volunteer instructors to provide assistance--don't be timid, ask for help. In existence for over 50 years now, NVRC is proud to be a club where everyone is welcome.

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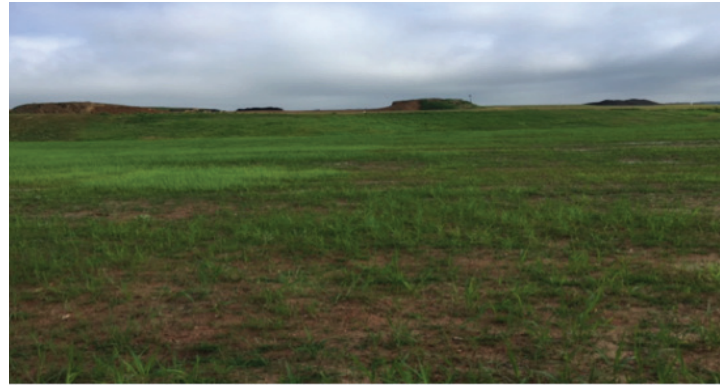
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PRESIDENT'S REPORT By Gary Quinn

We had a good turnout at our June meeting, thanks to those who showed up and participated! Those that were at the meeting enjoyed Pizza, Snacks, drinks, Free raffles and more! Get to the next meeting and don't miss out!

Lorton is coming along and grass is growing and growing. Bob Freas is wrapping up the last of the permits and is getting ready for final approval. Once we get our use permit we can begin the process of laying out the field and the necessary items. Mark Franke has graciously stepped up to help with the field and will be the Vice President for the Lorton field. He already has a dozen members signed up to help with grass cutting and setting up the field. Below is a picture of the field and the grass is probably much taller and thicker now with all the rain.



We had planned on cutting the grass but are waiting for it to come in nice and full. Stay tuned!

We had a number of community organizations reach out to use to help promote and discuss the hobby. To date we have been able to help out at: **Boy Scout Camp with 250 kids, Pre-School Aviation Day with 20 kids, Boy Scout Camp with 150 kids, Udvar Hazy Aviation Day, Aviation Day Camp (coming up soon).**

As we get more events we need even more volunteers. Just as a reminder, in order to represent NVRC at local community events you need to be:

- A qualified pilot and good standing member of the club
- Understand how to set up a demo area safely
- Be able to communicate and control the group
- Are able to discuss and possibly fly your own equipment

If you are going to an event, make sure you bring the club flyers, AMA information and if you need to section off an area pick up the stanchions that are in the shed at the field. If you don't have the flyers or other information contact me so I can get it to you. Remember, you are representing the club, the hobby, the AMA and more!

John Roach, Vice President, has been able to get ALL three tractors up and running. That's right, I said 3 tractors because John was able to acquire a new tractor for Poplar Ford. If you have not signed up to help with the grass and need guidance on how to use the tractor, please reach out to John. Thanks John for doing all the work to get this done. Once we have a permit for Lorton we will decide how and when to keep a tractor at that field.

Two fields costs a lot of money to get started and maintain. We will definitely have a small dues increase next year and a user fee for Lorton members. We also need the volunteers to help with the fields. In order to help offset the dollars we are spending, we are going to do an Ball Drop Raffle. Anyone can purchase a ping pong ball with a number on it and we will have hundreds of them in a giant net that will be lifted into the air by Kwang from Hobby Hangar. Once he is in the middle of the field, he will release the net and the balls will drop (it's a gravity thing). Targets will be marked on the field and the balls that land on or closest to the target will WIN! Cash prizes and other hobby items will be awarded. Get ready to sell and buy your chances!

If you or your company wants to sponsor our Tractors, Pavilions (soon) or Porta Potty's, please call me to discuss. Limited sponsorship opportunities are available and your name or company name will be displayed proudly so all can see. You may not have the money to sponsor an NFL stadium like FEDEX, but you can be proud sponsoring something with NVRC.

Members make up the club. In order to have a successful club, we need member participation. We will be implementing a member program that rewards the members who participate at events while asking those that don't want to participate to do so financially. It will be based on an hourly contribution per member and will be reviewed quarterly. Many other clubs already have a system like this in place so we are not re-inventing the wheel.

As always keep this points in mind when flying: Fly safe! Follow the pattern! Communicate as needed! Help others if you can! Make sure all radios have a GREEN tag as qualified pilots at the field! Be friendly!

I hope to see you at the field, an event or a meeting!

NVRC does not yet have a shed at our Lorton field, so a mower will have to be trailered to Lorton from Poplar Ford each time Lorton needs to be cut.

The general membership authorized purchase of 2 new riding mowers at the June NVRC meeting to address the increased maintenance required by our existing equipment and our new need to mow our flying fields at both Poplar Ford and Lorton. Rather than purchase 2 new mowers at the same time and donate our existing mowers to be rid of them, I chose to buy one new mower and fix the problems with our existing equipment. This bought us time to learn whether the features of the new mower improved on our existing equipment and to consider whether another new mower was immediately needed.

The new mower has an automatic transmission and anti-scalping deck wheels. It has the same horsepower as our "Big Red" mower, but its engine is made by Kohler rather than Briggs and Stratton. Big Red has a B&S engine that is famous for blowing head gaskets. Having just repaired a blown head gasket in Big Red, I wanted to try a Kohler engine. The automatic transmission in our new mower eliminates the need to come to a full stop by depressing a brake/clutch to change gears like we have to do with our 2 other mowers. It is getting harder to shift gears in our grey mower. This may be the result of its use by inexperienced drivers. An automatic transmission may avoid that type of problem.

The anti-scalping wheels on the new mower should help us to neatly cut both landing strips, but they may get in the way cutting the approaches. I do not know. But as it is, if we confine use of the new mower to cutting our landing strips and use our older mowers to cut the approaches, we will probably keep its blades sharper, longer, resulting in better grass strips.

We qualified for a \$100 Lowes gift card with our mower purchase. We could have received a 10% discount if a veteran had made the purchase. I strongly suggest that a veteran volunteer to make future purchases of this type for the club in order to reduce our equipment costs. If you are a veteran and want to take on this task, please yourself to the NVRC Board.

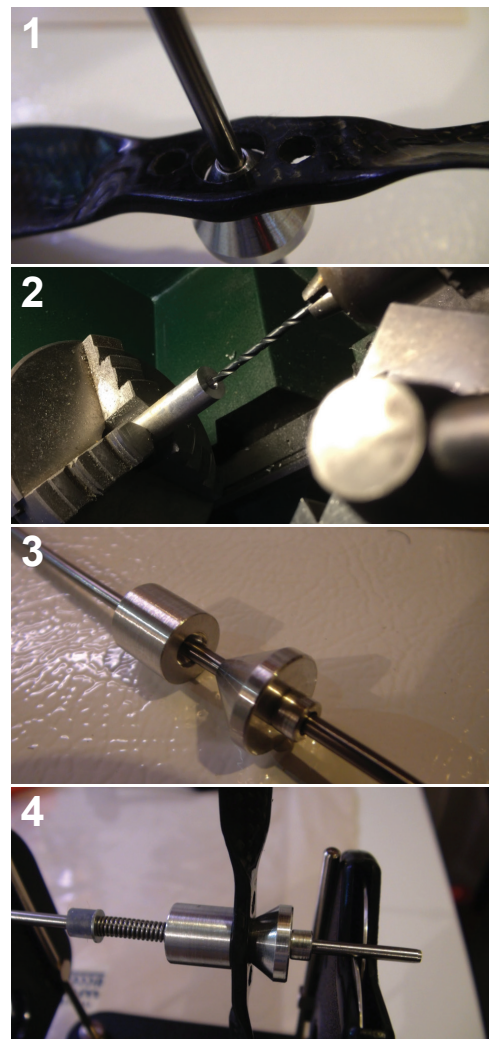
TIPS & TRICKS: BALANCING CARBON PROPS FOR 350QX By John Roach

Propellers need to be balanced to avoid unwanted vibration. The DuBro® magnetic prop balancer uses 2 metal cones to center a prop hub on a shaft to balance it. If the hub is so narrow that the cones touch each other within the hub, DuBro instructs the user to reverse the direction of one of the cones when centering the prop on the shaft before placing the assembly in the balancer. When I tried to balance a set of Xtreme® carbon blades for my Blade 350QX® quad, I found that the Xtreme prop hole was so large and its hub was so thin that a centering cone stuck all the way through the hub as shown in Figure 1.

The tip of the cone came into contact with a reversed hub on the opposite side of the prop. This prevented centering the prop on the apparatus so that it could be accurately balanced. My solution was to counter bore a depression into one end of a length of aluminum bar stock and then center drill the bar stock so that it could be used with the prop balancer (Figure 2).

The counter bore on the end of the rod stock provided clearance for the part of the DuBro centering cone that stuck thru the prop (Figure 3).

The extra clearance for the cone tip allowed the cone to accurately center the prop on the balance shaft assembly (Figure 4).



BOY SCOUTS AT GUNSTON HALL DEMO

Luis Mantilla and I represented NVRC and gave a demonstration of our RC Hobby at Gunston Hall. We had about 200 Boy Scouts and about 50 adult leaders. Our demo was part of an all-day activity event where the kids did various activities including archery.

Pictured in between Luis and myself is Joel Jackson, a Boy Scouts of America National Capital Area Council executive who was in charge of the event.

We flew a number of electric planes within our one -hour time allotment. We were able to find an adequate takeoff area, but because the big field we flew in had fairly high rough-cut grass, our landings were very rough. We did however escape the day with no major damage to our landing gear.

To give the kids a really interesting visual, I stuck some crepe streamers on my old F-27 Stryker's wingtips. The kids loved it when I did the big loops. What a great day to be outside with the kids!

FYI: James Mason was the author of the Virginia Declaration of Rights and was one of the first to call for religious liberty and freedom of the press. Gunston Hall, his Georgian style home, was located on his 5,500 acre tobacco and corn plantation. The home is a national historic landmark open for visitation.

Luis, Joel and Terry.



EDITOR'S DESK By Adrian Apodaca

So I finally got my Hangar 9 Meridian up and going today. It was awesome. It is the first ARF of that size that I have built and maidenied all by my self! It was a scary but very gratifying moment! I will have a review on it posted to my website soon at www.realrcreviews.com. We have over 85 unique reviews there, so stop by and check it out. If you'd like to contribute a review, please go to <https://www.facebook.com/groups/realRCreviews/> and join. Submit your review there and I'll upload it to the site. It's a great resource for making decisions on your next purchase or sharing your experience. There are lots of new models coming from Horizon Hobby and the new merged companies Extreme Flight/3D Hobby Shop that look really exciting! That's it for now! Take care and hope to see you at the field soon!

NVRC Newsletter

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