



Don Szczur shares his love of indoor free-flight models. He shares free flight with kids in the TSA and Science Olympiad programs.

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Want to see more here?

Send your newsletter contributions to
carlyldick@hotmail.com.

NVRC is one of the largest radio control clubs in Virginia with over 200 members. Our primary flying field is located at Poplar Ford Park. Our new Lorton flying site is open on weekends. The club includes pilots in all areas of radio-controlled flight: Sport, Giant Scale, Electric, Sailplane, Aerobatics, Combat, and MultiRotor. 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! Just ask for help!

In existence for over 50 years, NVRC is proud to be a club where everyone is welcome!

Officers and Contacts

President, Jon Pruett, jonathan.pruett@gmail.com

Vice President, John Roach, jagroach@verizon.com

Secretary, Carl Hampton, champton@cox.net

Treasurer, Bob Freas, freasman@gmail.com

Chief Flight Instructor, Tony Claridge, tclaridge1@aol.com

Member-At-Large, Paul Lukas, paul.lukas@live.com

Member-At-Large, Tung Phung, ttp2d@virginia.edu

Past President, Mark Franke, mfranke@cox.com



President's Report: Flying Season Arrives!

By Jon Pruett, NVRC President

Join us at the OPEN HOUSE!

BRING RUBBER BOOTS! The pit areas are still a bit muddy at this time.



NVRC EVENT NOTICE!

Event: **Open House & Fun Fly!**

Date/Time: **May 11th, 8am to 1pm**

All are welcome at our Spring Open House & Fun Fly! Take your **first flights** with our trainers, join our **fun fly events**, see new **product demos**, or just learn more about **this great hobby**. Bring the whole family!



This event will be held at our Poplar Ford field located at

6714 Bull Run Post Office Rd, Centreville VA, 20120

For more information please visit the Events page at

<http://www.1nvrc.com>

VP's Report: Updates from Poplar Ford and Lorton

Compiled from John Roach's RC Groups Updates

- Please be aware that looping the gate chain over the post at Lorton will NOT deter thieves. Long term solution may be 6x6 gate post but for now please ensure the chain cannot simply be lifted off the post.



- Straw was laid over a portion of the newly placed soil at Lorton. Note the great looking split rail fence! Thanks to all the volunteers who helped install them. All that is left is to add the safety wire fencing that prevents models from slipping through the fence, a windsock, and some signage.



- Golf balls continue to appear in the pit area at Lorton. If anyone would like them they are in the shed.





NVRC Event Weather Policy: ALERT!!!

By Jon Pruett, NVRC President

Wet weather has been a growing challenge for our fields, especially Poplar Ford. To ensure we are able to consistently make and communicate decisions about event changes due to field conditions we have approved the following policy.

- If due to weather conditions Poplar Ford Field is deemed unsafe, or unable to handle the additional traffic of an event without damage, the event will be relocated to Lorton Burnett Field.
- This policy applies to all events tracked on the <http://www.1nvrc.com> website, with the exception of Multi-GP races which follow their normal weather cancellation policy and will not be relocated to Lorton Burnett Field.
- The relocation decision will be made by the event's Contest Director and one or more of the NVRC officers during the week leading up to the event.
- All members and guests are welcome to attend any regular or relocated event at Lorton Burnett Field, regardless of their Lorton Field Membership status.

Thanks!

- Jon Pruett





Lorton Glider Day



NVRC EVENT NOTICE!

Lorton Glider Day!

Event: _____

Date/Time: May 25th, 9-2pm

Love soaring? Curious about gliders and want to see what they are all about? Come join us for a day of hunting thermals and having fun with some low pressure competitive events, a high start, tow planes, lunch, and buddy boxed gliders to try!

This event will be held at our Lorton/Burnett
field located at

9850 Furnace Rd, Lorton VA, 22079

For more information please visit the Events page at

<http://www.1nvrc.com>





NVRC Streamer Combat!

Come out and cut some streamers with us!

In 2019 NVRC will be hosting a number of Streamer Combat sessions. The next few events will be held on the following dates:

June 8th: [Streamer Combat Skirmish](#)

June 15th: [Streamer Combat](#)

We follow the [AMA Radio Control Combat 2017-2018 safety rules](#) with the following additional safety restrictions at each field:

NVRC Combat Aircraft Special Requirements – Poplar Ford Field

- Electric Only – Battery size limit 3s2200
- Pusher Props Only- No Tractor style!
- More than 4 planes aloft at discretion of Safety Officer & Contest Director

NVRC Combat Aircraft Special Requirements – Lorton Burnett Field

- Class A size restriction (Max .15 cu.in. & 2.5 lbs or 3 pounds electric)
- Tractor style props OK
- More than 4 planes aloft at discretion of Safety Officer & Contest Director

Some pusher planes that work particularly well at Poplar Ford for this include;

[Laine's Planes Foam Cuda](#) (I love mine!)

[FPVWRA Spec Wing](#) (This one is great too!)

[Flite Test Mini Arrow](#) (Loads of fun but can be twitchy!)

[Flite Test Versa Wing](#) built in pusher configuration

[RCFoamKits Eluminator](#) (And I love flying this one!)

[RCFoamKits Foamenator](#)

[RMRC Nano Skyhunter](#)

[RA Cores EPP BluFO](#)

[RiteWing Zepher Mini Z](#)



NVRC on the WEB

Join us online for up to the minute news!

2019 will be a busy year for NVRC, and we will of course re-cap events here in the newsletter. If you want the latest, up to the minute news and events from the NVRC community you can join us online at the locations below. We encourage everyone to share anything RC related with the club. Beautiful day at Poplar or Lorton? Have a new toy you want to show off? The last landing didn't go as planned and now you've got a trash bag full of parts? We want to see it! (*especially the bag of parts!!*)

NVRC on Facebook



<https://www.facebook.com/groups/1nvrc/>

NVRC on RCGroups.com



<https://www.rcgroups.com/forums/...NVRC>

NVRC on Instagram



<https://www.instagram.com/nvrc.club/>

NVRC



<http://www.1nvrc.com/>



April Meeting Minutes:

Provided by John Roach, NVRC VP

Poplar Ford and Lorton Reports – Bob Burnett described Poplar Ford as dry today to the extent that the ground had cracks in it. **Dan Breeding** and others mowed most of it this past week. It is in pretty good shape. [Remainder of Poplar Ford was mowed Friday, just before heavy rains.]

Bob Frease, Bob Burnett, Mark Franke, Scott Fisher, Mike Marr and others were thanked for installing a split rail fence at Lorton, 13 April. Mark said that installation of metal livestock fencing to complete the work would be completed shortly. The County grass expert, **Sam Burris**, examined the grass at Lorton field, provided a suggested grass maintenance schedule and took soil samples to determine what soil additives would help us make the Lorton landing strip as smooth as a putting green. Mark pointed out that this was another example of why it pays to make friends with County staff.

Treasurer's Report – Treasurer was unable to attend, but left a message with Mark Franke that we are still solvent.

FAA Comment Period on ANPRM Safe and Secure Operations – Jonathan Pruett asked if everyone had commented to the FAA to inject a little sanity into their deliberations on this issue before the 15 April deadline. He observed that the AMA has been around longer than the FAA has existed and the AMA has an impeccable model aircraft safety record. Mark reported that the FAA was considering requiring transponders for all SUAS with no delineation between commercial and hobbyist model aircraft. Paul Lukas suggested that the transponder requirement may have to do with "Sense and Avoid" traffic. Delivery of AED devices and food deliveries are currently under test. These flights fit the Sense and Avoid concept.

NVRC News – Joe Szczur took bronze in Crete with the USA F3A team. **Paul Lukas** thanked NVRC for help with the Wakefield Forest STEAM Fair. STEAM stands for Science, Tech, Engineering, Aeronautics and Math.

April Meeting Minutes:

Provided by John Roach, NVRC VP

Mystery Plane – Polikarpov PO-2, a WWI aircraft that saw use in WWII as night raiders flown by women crews against German positions. The missions were so successful in harassing the Germans that any German pilot who shot one down was awarded the Iron Cross. The model is kitted by Manzon Laser Works.



Special Guest – There were two special guests. The first, **Mark Franke**, spoke on **First Aid and Ticks**. He pointed out that there are a lot of fallacies associated with ticks and Lyme's disease. He has seen lots of Rocky Mountain Spotted Fever cases in Virginia. It presents as flu-like symptoms, fever and rash on the palms and feet. If you experience these symptoms, see a doctor promptly. Lyme's disease occurs mostly in the NE sector of the country. Lyme infections identified in other parts of the country were not necessarily contracted there, but diagnosed there. It presents as fever, fatigue, headaches and EM rash – the bullseye mark around the area of the bite. If left untreated, it can cause joint and cardiac problems. Lyme's disease can be treated with a course of antibiotics, but prevention is preferable to infection.



Centers for Disease Control and Prevention, <http://phil.cdc.gov/phil/> Classic "EM" (Erythema migrans) Rash

- Apply DEET insect repellent before going to the field.
- Remove ticks promptly.
- Apply pesticides such as Permethrin to your clothing to kill ticks before they can bite you.
- Check your clothing for ticks on return home and toss clothing into a dryer for 10 minutes to kill ticks that may be in your clothing.
- Shower within two hours of coming home and check your body carefully for ticks when showering.
- If you find a tick, grasp it firmly near its head with tweezers and pluck it out of your skin. Do not be concerned with a tick mouth that remains in your skin after you pluck off a tick. Your body will usually expel the mouth part.

April Meeting Minutes:

Provided by John Roach, NVRC VP

Symptoms of Lyme disease occur 3 to 30 days after a tick bite. Muscles and joints will ache and lymph nodes appear swollen. The bite site will not itch. If the bite site itches, it is probably not a tick bite, but the bite of some other insect. A small lump or redness that goes away in one or two days is not Lyme's disease. If you have an ECM rash around a tick bite, you do not need to get a blood test to prove that you have Lyme's. You need a course of antibiotics because Lyme's will cause additional problems if left untreated such as arthritis, facial palsy, pain in tendons, heart palpitations, dizziness, and shortness of breath. If Lyme's results in meningitis or a cardiac issue, the usual course of antibiotic treatment is for 10 to 21 days. If arthritis occurs, the course of treatment is for 28 days.



"Classic" erythema migrans rash



Facial palsy



Swollen knee

Classic Lyme Disease Symptoms

Mark then put up a few slides of bloody wounds to shift our attention to dealing with cuts that may occur at the field. He used the images to point out that application of pressure to the wound should be enough to stop bleeding unless an artery has been severed. It is unlikely that you will have to use a tourniquet to stop bleeding. The appropriate course of action at either airfield is to stop the bleeding, call 911 and await transport because 911 response time in this area averages 5 minutes. **It is better to call 911 and wait for help than to try to drive to get help. This is also true for other medical emergencies such as heat stroke or heart attack. Your first action should be to call 911 and follow their treatment instructions while waiting for transport.**



April Meeting Minutes:

Provided by John Roach, NVRC VP

Don Szczur released a rubber-powered indoor flyer that soared over the meeting as he explained the challenges of building very light models for competition in the Technology Student Association (TSA) or the Science Olympiad. Designing and building a model weighing only a few grams using only wood – no boron or carbon fiber - is not a simple task.



Don's delicate model hangs in the air making graceful circuits of the firehouse.

He explained that they got into this because his son was home schooled and lacked friends, so they started a model club at school that built friendships as well as student interest in aeronautics. This led to participation in competitions such as F3A where Joe designed the *Expedition 5* aircraft flown by 3 of the 4 members of the team. Don described how the team competed in Crete where they medaled. Joe is now a defending world champion, which is a good thing, but the downside is that he has to fund his participation.

Don skillfully directed our attention to the table in the rear of the room where he was selling tee shirts and hats at \$20 each to raise funds for Joe's F3A participation.

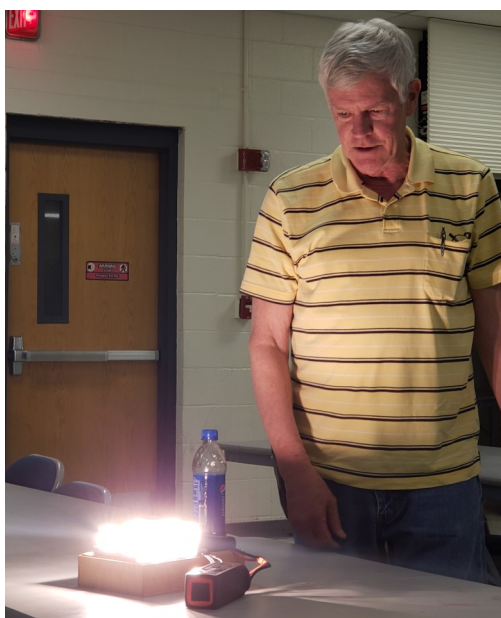
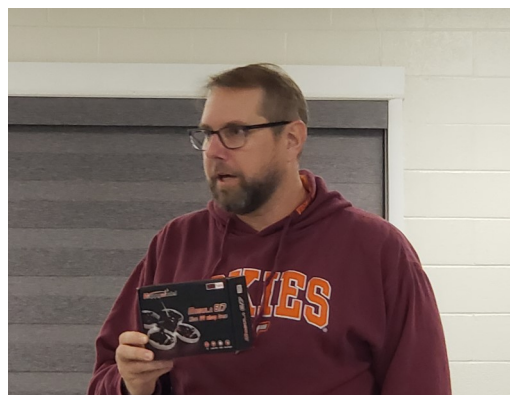


April Meeting Minutes:

Provided by John Roach, NVRC VP

RC News – Jonathan Pruett described drone food delivery services undergoing test in Canberra, Australia. The drones do not land to deliver, but winch their cargo up and down from hover. **Paul Lukas** reported that the service was already receiving noise complaints from households lying along the flight paths frequented by the drones. Horizon Hobby, Hobby King, Hanger 9, Old School Models and Laine's Planes have all released new aircraft in time for spring. FrSky has released a new radio available in 900 MHz as well as 2.4 GHz bands. The X Lite S and Pro models have a built-in RF meter and other significant programmable features.

Show N Tell – Paul Lukas showed us a Happy Models Mobius 7 quad that uses one or two cells. A single battery powers the quad in a docile manner indoors. Two batteries turn it into fast and nimble outdoor quad. It uses Beta Flight configuration software and is compatible with Spectrum or FrSky radios.



Nick described his quartz light array he built to discharge flight batteries to storage levels. His device incorporates a voltage monitor with alarm that alerts the user that the battery pack has discharged to the user-selected voltage.



April Meeting Minutes:

Provided by John Roach, NVRC VP

Tony Claridge showed us a Switch Hybrid. The modestly-priced quad converts from quad to hovercraft to winged flyer making it a good travel companion that readily adapts to many holiday environments.



Bob Burnett admitted to joining the Darkside by showing us the Flite Test Mini Arrow that he built. Looks like fun.

Nick and his bright idea won the Hobby Hanger gift card.

50/50 Drawing – **Gary Quinn** won the \$14 pot



Upcoming Events:

See the Events Calendar at www.1NVRC.com for more details!

May 11th	<u>Spring Fun Fly and Poplar Ford Open House</u>
May 12th	<u>NVRC Multi-Rotor Racing</u>
May 16th	<u>Build Contest (monthly meeting)</u>
May 25th	<u>Lorton Glider Day</u>
June 2nd	<u>Pylon Races</u>
June 8th	<u>Streamer Combat Skirmish</u>
June 9th	<u>NVRC Multi-Rotor Racing</u>
June 15th	<u>Streamer Combat</u>
June 20th	<u>NVRC Club Meeting</u>
June 23rd	<u>Giant Scale Fly-In and Open House</u>
July 13th	<u>Streamer Combat Skirmish</u>
July 14th	<u>NVRC Multi-Rotor Racing</u>
July 18th	<u>NVRC Club Meeting</u>
July 21st	<u>Pylon Races</u>
August 10th	<u>Biplane Fun Fly</u>
August 10th	<u>Streamer Combat Skirmish</u>
August 11th	<u>Multi-GP "BIG" Event!</u>

And **MORE** to come! Check www.1nvrc.com/events for more details!

Editor's Corner: Prepping for Long-Haul RC Trips

By Carl Lydick

The big B-17 project continues to move forward, but with my annual trip to SEFF just days away I've momentarily shifted my focus to preparing for that event. That means wrapping up new models and repairing old ones. I recently picked up a 72" foamy B17 that will be my test bed for the big bird, and I hope to get a lot of practice with her now that she is buttoned up. I also pulled down the Caudron C.460 model designed by our fearless leader Jon Pruett and got her airworthy again. That little model is a rocketship and needed some extra carbon in the wings before they fold up on me. Another model long overdue for love was pulled down, and with a bit of luck I'll be flying the big T-38 Talon this year. Like the Caudron, that model needed some areas beefed up to handle the high speeds.

Other than getting stuff ready to fly, another challenge before traveling to a distant event is ensuring that the models will survive the trip. Smaller, lighter models may be fine just tossed in the trunk on top of the camping gear, but I wanted to cover some methods I use, along with a few from the forums, to ensure your models make it to the event in one piece (even if they don't come home that way!)

For larger models I like to build a foam cradle. With some trial and error I cut recesses to match the fuselage shape in 1" foam and then line it with fabric or foam padding. I like to integrate plywood plates into the inside corners of the cradle with 1-2" holes drilled through them. This allows me to slide a bungee or rope through to secure the cradle to the car or trailer. I also use a bungee and a length of pipe insulation to make one or more straps to hold the fuselage securely in the cradle.



Cradle for the Hangar 9 20cc P-47.



Hobbying B-17 Cradle. Space under the fuse can hold transmitter case, spare parts, and tools.

Editor's Corner: Prepping for Long-Haul RC Trips

By Carl Lydick

I like to put a closable “box” in the empty space at the bottom of the cradle to hold manuals, spare props and parts, and anything else I might need for the model. I like the closable box rather than just tossing these parts loose in the cradle because nothing will shake out and get lost. If you plan ahead your cradle can also double as an assembly or work stand when you’re at the event!

If your wings are removable you may opt to use a traditional wing bag to protect them, or you may decide to integrate them into your fuselage cradle, or build a dedicated cradle just for the wings. This is what I did with the 95” one-piece wings from my P-40.

Rather than using foam cradles, many modelers build racks from PVC and foam sleeves to transport their models. These racks have the advantage of being light weight and can be built to accommodate multiple models in a single rack. The only downside I see is that PVC pipe cannot be made to perfectly match rounded or complex shaped airframes, so padding them carefully is critical to ensure you don’t get hangar rash in travel. If you’re creative these racks can hold a lot of models in very little space!

In the end whatever gets your models to the field in one piece will do, but if you have a model that you want to keep pristine for many flying seasons building a custom cradle may be worth the time and effort.

See you at the Build/Display contest!



Foam cradles secured in trailer. T-38 and B-17 use bungee cord, P-47 uses Velcro to the carpet.



Custom PVC racks work great as well, particularly for smaller models.