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Want to see more here?

Send your newsletter contributions to
carllydick@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 and we expect to have a new Lorton site in 2017. 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!

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President's Report:

By Mark Franke

Folks,

The Lorton field/Burnett field is open for business. This is been a huge milestone in the history of the club. The idea for this originated in 1996. It has finally come to fruition with the hard work of many members including Bob Freas, John Roach, and especially Bob Burnett. The field is appropriately named after Bob for all of his years of service to the club and all of his years of service to getting this field open.



Open for Business!

The field is flyable right now and we are waiting for the grass to grow to develop a smooth runway. Make sure you check out the runway before you take off to see if your craft can takeoff successfully. There is a [link on the website](#) that has the current rules and application. In addition I will be bringing membership applications and information to the meeting two days from now Thursday at 730.

Also a reminder that building and display contest is this Thursday. We encourage folks to enter the appropriate category (Details on page 6). If you have won in the past we would like you to bring your model for display purposes. We also encourage models that are in progress or plans to be displayed for the evening. The key to this event is to have as much participation as possible. Your plane can be in any state of building to be put on display.

So bring your favorite plane and share some knowledge with the rest of us.



President's Report:

By Mark Franke

We are fortunate again to have Tony Claridge **demonstrating his building skills from 5 PM till 7 PM** just prior to the building contest. Tony is assembling a large aircraft called the Avistar, which is a great training plane forward your first gas airplane.

This has also been an exciting month for multi-GP! Every other week they are racing at the Monster Golf Facility in Chantilly Virginia. Tony has been supporting this event and it's getting a good turnout every time.

I encourage you to attend a multi-GP event to see what is involved. This is a great new aspect of our hobby that is drawing in a younger population. Multi-GP racing is again on May 27, this time with wing racing!

Our spring fun fly is June 3. This is really a beginner's event that any qualified pilot can enter. The maneuvers are simple and it's always a morning of fun and a great mix of flying skills. Ken Bassett will be supplying us more details (See page 8).

As always the club has great volunteer efforts. I'd like to thank Dan Porter for taking the initiative and mowing Lorton. We will have a formal list of the members of Lorton will develop a mowing and maintenance list.

The Lorton field needs a few more items constructed including safety stands. Additional work will be required at Poplar Ford to be directed by John roach.

I look forward to seeing you at the building contest. We have a great club here with a renewed spirit of enthusiasm that is contagious!

Thank you so much

Mark Franke



VP's Report:

By John Roach

Meadows are not lawns. Those of you who read last month's newsletter, attended last month's meeting, or read posts on our discussion forum, know that the County does not permit us to mow grass in their meadow restoration areas. This includes Unit 16, which is adjacent to the landing strip. We are permitted to erect Multi-GP practice pylons in Unit 16, but only the County can mow it. They do not intend to mow Unit 16 the way we would mow a lawn. It will be seeded with native plants and left to grow as meadow habitat. They may at times burn it or bush hog it, and winter will knock down its annual growth of grass, but its grass can be expected to reach a height of about five feet by the end of each growing season. That is why we need to devise a practice race course with pylons that can be elevated above the grass. The present practice layout looks good. Tung, Paul, and others created something that is getting daily use, but the grass is growing. We need to think of a way to elevate the pylon layout to stay above the grass.

Drone Air traffic Control is Coming. If you missed Dr. Christopher Vo's 14 April request to DC DUG members to take a look at a white paper on REMOTE DRONE ID,

<https://www.dropbox.com/s/p4n6f5bcmkooph3/AriAscend%20Whitepaper.pdf?dl=0>

you may have also missed Greg Carter's article about impending air traffic control for drones featured in the **AMA District IV post of 11 May**. Both articles are worth reading because imposition of air traffic control of commercial drones will impact our hobby.



VP's Report:

By John Roach

Please Take Home Your Trash. If you crash or your charger or battery fails, please take it home rather than abandon it. It will save me the trouble of trying to locate its owner. We all forget things at the field now and then, but abandoned or forgotten batteries are a fire hazard with summer heat. If you notice a forgotten battery, take it home. If it is good, you now have another battery. If it is bad, please safely dispose of it at home. Please do not place any found LiPo battery in either shed. It may start a fire.

Poplar Ford Snow Fence. The new 105 foot snow fence limits horse and ATV access to the field. A person-sized opening was left between the pits and the snow fence. County approved signs banning horses and vehicles on the field will go up this summer.

Lorton Picnic Bench. The County delivered an old picnic table to Poplar Ford so that NVRC could transport it to Lorton after sprucing it up. It is in a nice shady spot by the Poplar Ford parking lot. As it is a rather comfortable place from which to fly FPV, it may take quite



NVRC Members chipping in to mow the field



Beautiful flying site thanks to their efforts!



2017 NVRC Annual Bob Scott Memorial Display Contest

The annual Display Contest is named in memory of our own Bob Scott.

This year's contest will be held on May 18, 2017. Doors will be open at 7:00 p.m. The following criteria will apply.

Invitation, Any aircraft that previously won in any category of a previous NVRC Display or Building Contest is invited to be presented **for display only** at the contest. Prior winners cannot compete a second time. You are invited but not required to display your trophy, and an information sheet with your aircraft.

Prior Year's Entry: any aircraft previously entered in a NVRC Building contest can be entered if it has not won one of the competition's categories.

The categories are as follows, **Helicopter**, **Scratch/Kit Built**, **Giant** (IMAA legal) for both **Sport** and **Scale** and **Standard** for both **Sport** and **Scale**, (Voters, please note the differences.), **Electric "Park Flyer"**. There will be certificates to **2nd** place in the above categories. In addition, there will be special awards for: **Best Junior**, and **Best of Show (Bob Scott Award)**, and we will have an **"Under Construction"** category.

The **Best of Show** award is now known as the BOB SCOTT BEST OF SHOW AWARD, with the winner's name engraved on it, and will be held at Hobby Hangar until next year's contest. In addition, the recipient keeps a silver bowl which is similar to the one on the trophy.

Models built by Junior's may be entered in any of the above categories. Junior entries are eligible for both category and the Junior award. Planes entered by Juniors must be identified as such.

Helicopter is open to any and all rotary winged aircraft, including autogyros.

Scratch/Kit Built from Plans means just that. Whether you designed and/or cut it, or someone else did. **The materials come separately and you assemble the model.** It is recommended you have the plans available.

Electric "Park Flyer" is any electric powered aircraft weighing less than 32 oz. **ready to fly.**



2017 NVRC Annual Bob Scott Memorial Display Contest

All entries must be RC. ARF's are acceptable except in the Scratch/Kit Built or under construction categories. They must be owned and assembled (if req'd.) by NVRC members in good standing More than one builder per entry and more than one entry per builder is permitted. Models previously entered in an NVRC building contest are permitted to compete if they have not won a first or second place in any of the categories. It is preferable that models be complete and ready to fly but unfinished models that the builder feels warrants attention may be entered (final determination of completeness for eligibility is at the discretion of the CD, if not sufficiently complete they may be entered in the "Under Construction" category).

Winners will be determined by popular vote of the membership. All voting is subjective and there are no judging rules. Ballots will be provided. Any decisions concerning category determination or rules interpretations will be the responsibility of the CD. The CD's decision will be final.

It is recommended that you prepare an information sheet to be displayed with your model. It should indicate the name of the plane, size, weight, finish, radio, name of builder and Junior if applicable.

The Building/Display contest used to be one of our best attended events. Since you can enter just about anything you have, let's have a big turn out.

Whether you have an entry or not be sure and come and bring the family, especially the kids – and we would really like to have a Junior trophy winner again this year!



2016 winner Tony Claridge!



Spring Fun Fly!:

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

The annual NVRC Spring Fun Fly will be held on **June 3rd** at Poplar Ford.

This will be a traditional fun fly with **taxi racing**, a **timed flight**, **loops and rolls**, **touch and go's** and a **spot landing**.

Serious competitors will be disappointed with this laid back, fun competition. If your a qualified pilot, *you can win this*. A couple of years ago, a TRAINER was the top aircraft. The sign-in starts at **9AM** with events starting at 10AM. Prizes for all. So come on out and enjoy the fun!



Ken Keeping Score in 2016

Ken Bassett



Spring Fun Fly 2016—A beautiful day and a good time had by all.



MultiGP Racing News:

To register for MultiGP events visit the [NVRC MultiGP Chapter website](#)

MultiGP at NVRC has had tremendous growth since October, 2016 since 7 of us got together with some ad-hoc PVC gates covered in pool noodles for a fun fly. Since then, we NVRC has hosted five races with as many as 28 pilots participating. The club has purchased 5 professional gates and a couple of feather flags. Similarly, the club has purchased an electronic timing system that uses the RSSI of the FPV video transmitters to count lap times. Most of these purchases were made by collecting landing fees at competitions.

MultiGP at NVRC is branching out too! We have started indoor "Tiny Whoop" races at Monster Mini Golf (hosted by our own Tony Claridge) and are looking to be mentioned in an upcoming story in the YouTube program, MultiGP News. The unique flying location that Tony provides is a virtual playground for indoor FPV racing. We are also starting FPV Wing racing, with our first official Fun Fly happening on May 27th.



Are you scared of the dark?

You may have noticed the PVC gates that are now a permanent multirotor FPV practice course on the far side of the runway at Poplar Ford. Club members may now use the course to practice flying through gates. The same field restrictions apply, however: call your takeoffs and landings, no more than 4 aircraft in the air at one time, and always have a spotter when flying FPV.



MultiGP Racing News:

To register for MultiGP events visit the [NVRC MultiGP Chapter website](#)

With all of the effort that the MultiGP volunteers have put in, its no wonder that MultiGP has recognized the NVRC chapter twice now. First for graduating from "Provisional" to Teir 3, then shortly after by advancing us to Tier 2 for completing 6 events in a 6 month period. As a reward for advancing through the Tier system, MultiGP will be providing the club with 5 professional gates as well as 5 feather flags.

We are looking forward to continued growth this summer with our summer Battlefield season kicking off on June 11th. In addition, July 9th will feature our first multi-round elimination race.

To register for multirotor, tiny whoop, or wing racing visit MultiGP.com. Register as a pilot (if you haven't done so already) and search for the Northern Virginia Radio Control chapter to join the races. See you in the pits!

Paul (Skipper) Lukas



FPV Wing Racing Gates!



Upcoming Events:

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

May 18th	Annual Build Contest (Click HERE for details)
May 24th	Indoor Multi Racing at Monster Mini Golf (Click HERE!)
May 27th	MultiGP Practice/ FPV Wing Racing
June 3rd	Spring Fun Fly(Click HERE for details)
June 7th	Indoor Multi Racing at Monster Mini Golf (Click HERE!)
June 11th	MultiGP Race Day
June 15th	Monthly Meeting
June 17th	Become a Pilot Day (Udvar Hazy Center)
June 21st	Indoor Multi Racing at Monster Mini Golf (Click HERE!)
June 24th	MultiGP Practice
July 9th	MultiGP Race Day
July 15th	T-28 Racing (Click HERE for details)
July 20th	Monthly Meeting
July 29th	MultiGP Practice
August 13th	MultiGP Race Day
August 17th	Monthly Meeting
August 19th	Biplane Contest
August 26th	MultiGP Practice
September 9th	T-28 Racing (Click HERE for details)
September 10th	MultiGP Race Day
September 21st	Monthly Meeting



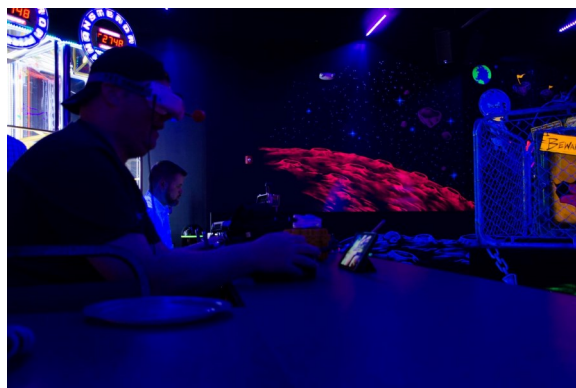
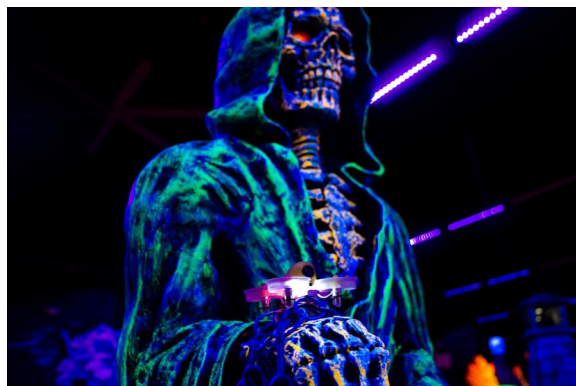
Indoor Racing at Monster Mini Golf:

To register for MultiGP events visit the [NVRC MultiGP Chapter website](#)

Beginning in April Monster Mini Golf in Chantilly will be hosting indoor “Tiny Whoop” racing! Any micro-drone is welcome to compete. Races run every-other Wednesday starting April 12th through the end of June. Event runs from 9:00PM—11:00PM. \$10 Pilot Fee, Pizza and Soda for \$5.



Spectators are welcome and all games and attractions will be available!
Come out and race with us!



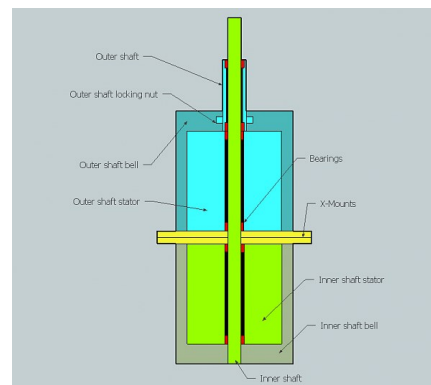
Editor's Corner:

By Carl Lydick

In the spirit of our annual "Build Contest" I thought I'd share a special project that a friend has just recently flown. Joshua Orchard, a modeler from Frederick MD, has just maidenized his 100% scratch built Bugatti 100P.

This model is truly "Scratch Built". Joshua contacted the EAA museum when the original lives and, using 3 views and notes, carved the fuselage and hotwired the wings. Additional details were 3D printed and the entire airframe was glassed. She has too many custom details to list here!

One VERY unique aspect of this model is the contra rotating motors up front. Appropriately sized contra-rotating systems were not available, so Joshua designed and machined his own setup. The power system utilizes a pair of 1KW NTM EF-1 pylon racing motors and custom shafts allowing them to turn a pair of 8x8 props.



Designing a Contra setup



The joy of a successful maiden flight!

Actual construction started back in August of 2016 and she just had her first flight last week! I was lucky enough to get out and see her fly in person and she is really one of a kind. If you're interested in seeing the process from start to finish you can click [HERE to find the full build thread](#). If you want to skip right to the flying you can click [HERE to see the maiden flight](#).