



NEWS AT THE TOP

April 2023

From the Editor by Anthony Curcuruto

Spring has arrived and so has the flying season. I have been out flying over a dozen times. I've seen quite a few members at the field. Both fields are in great shape. Hardyston was a little water logged as a result of the rain storms in the beginning of May. It dried up nicely.

Some of you may not know that Mike Shauger is no longer mowing our club fields. He has moved to Florida. Frank Fanelli is now mowing Hardyston; Jon Ace is mowing Reynolds. Both are doing a great job.

The next four meetings will be at the fields. The upcoming meeting will be at Hardyston. Bring a chair to sit on and also some bug spray. The mosquitos are as big as birds up there. Also, it's tick season. Some people have been getting real sick from tick bites and I don't mean Lyme disease.

At the last meeting we had a swap meet. Oh wait, I was the only member that brought in anything to sell. Some members may have not gotten any new planes and may be looking for a used one. Or perhaps you got a new radio and may be looking to sell your old one. Like me, you may have some kits that you will never build. In any case bring them to a meeting and sell them.

See you at the Meeting

It's worse than Lyme disease...

and spreading faster, according to [LymeDisease.org](https://www.cdc.gov/nczod/dzdx/diseases/babesiosis/).

It was just Connecticut, Massachusetts, and Rhode Island where the disease called Babesiosis or Babesia, which we humans catch from ticks, was an endemic. Now, according to the [CDC](https://www.cdc.gov/nczod/dzdx/diseases/babesiosis/), we can add New Hampshire, Maine, and Vermont to the list, making this a full-on significant and major issue for New England.

This disease can be tough stuff, too. According to [Boston.com](https://www.boston.com), some of us who get infected with Babesiosis means flu-like symptoms including fever, chills, sweats, headache, body aches, loss of appetite, nausea, or fatigue. Seeing a doctor is a must (and even the ER if necessary) if you have a weak immune system, other health issues and diseases, or no spleen.

According to [Boston.com](https://www.boston.com), Yale University researchers in New Haven, Connecticut, and Tufts Medical Center in Boston say this is here to stay, as warmer winters mean ticks live longer and spread the disease more frequently. Add that with Lyme disease already in New Hampshire, Maine, and Vermont, and this just adds to the concern and warnings.

There's no vaccine for either disease. [Click here](#) to learn the best ways to prevent babesiosis and Lyme disease, which includes insect repellent when you're out for extended periods of time, especially in more wooded areas. It's also important to conduct full-body exams on yourself, children, and pets.

April 2023 Meeting Minutes

The meeting was called to order at 7:37 pm at the Andover Senior Center. All of the Club officers were present. The minutes from the previous meeting were read and approved without correction.

Treasurers Report: The January's beginning balance was \$7,915.12. After debits and credits, the ending balance of \$12,273.18. Pat nominated Craig to be a Life Member in leu of the fact that Craig will no longer be treasurer after this year. The motion was seconded and approved without discussion. Craig commented that he will work with someone now in transition or wait till November.

Field Report:

Reynolds Field - The wind Sock has been replaced. The old one was tattered. The new one will be taken down at the end of the flying season. Insecticide was put down in the pit area to control the ticks. Members still got ticks at the field probably from areas where no Insecticide was applied.

Hardyston - Frank mentioned the condition of the road and that there were some pot holes and wet areas. He also mentioned that mowing with Mike's mowers difficult and too much for him to do. He mentioned that he cot an estimate from a lawn contractor for \$100. The discussion was tabled.

Recap: Last year we purchased a well-used mower from Mike Shauger for \$500 from a motion from Pat to be used to mow Hardyston Field for \$75 a cut. Frank Fanelli was the designated mower. Whether he mows it or not, that mower is to be used to cut Hardyston field for many years at \$75 a cut period.

Membership: Anthony gave a summary of the current members by where they fly, member type and age. He will send the other officers a roster in May. The breakdown is as follows:

Where Members Fly	Membership Breakdown	Members by Age	
Hardyston	14 Full Member	69	Under 18
Reynolds	49 Applicants	4	19-30
Both	17 Junior Member	2	31-40
	Life Member	10	41-50
	Club Officers	4	51-60
	Misc	1	61-70
	Total	90	Over 70

Guests: we had a few guests and new members at the meeting. Mary Ann Sanford was present. Her Husband George was a member and moved away in 2004 and passed in 2016. She was representing a relative and son who did not show and are to be considered for membership. Jason Burke was also present. He is a returning member and rejoined the club. Lastly, Mike Powers was present. He is one of the newest applicants in the club.

Old Business: John Morgan mentioned that he followed up on the Land Fill revitalization in which Hardyston Field is part of. It will be a solar field.

New Business: The next 4 meetings will be at the fields. Anthony gave the schedule. May 18th Hardyston, June 15th Reynolds, July 20th Hardyston, August 17th Reynolds, and September 21st back at Andover Borough

New Email Address

Our club email address is changing. Aside from issues sending out email from the old address, the old address is getting way too much spam email. A while ago, a new one was created on Gmail. While it may take a good long time to switch over, please use the new one and update your contacts. I know the suspense is killing you, the new email is toponewjersey@gmail.com.

UNDERSTANDING BRUSHLESS RC MOTOR SPECIFICATIONS

Posted by Motion RC on August 25, 2016 | •
Category: Electronics

Brushless motors use a standard numbering scheme to describe their physical size and kV rating. For example: let's assume we have a 5055-3000kV Brushless Outrunner Motor. We break the numbers out as follows: [50] [55] - [3000]

- [50] The first two numbers represent the diameter of the motor's housing in millimeters; in this example 50mm
- [55] The second two numbers represent the length of the motor housing in millimeters; in this example 55mm
- [3000] The numbers after the dash represent the kV rating of the motor; in this example 3000kV. The kV rating (not to be confused with kilo-volt) is the RPM of the motor (k) per volt (V) with no load. For example, a brushless motor with a kV rating of 3000 powered by a 12V power source would be capable of 36,000 RPMs (multiply 3000x12). This is the max RPMs that this motor can reach under no load. A motor with a higher kV will have more top end speed, but not as much acceleration/torque. A motor with a lower kV will not be as fast, but will accelerate faster and have more torque.

Top Gun 2023

I always marveled over the photographs and videos from the Top Gun event, but never attended the event. This year I was in Florida while the event was going on and I attended the third day of the event.

I arrived at about 11am and the flying was in full swing with the third round of flying. I was surprised to see EDF foam planes flying. I don't know if it was part of the competition or not. Soon after the Gas planes to the runway. There was also turbine jets flying. There was no leader board up to see who was in the lead.

I walked the flight line to get a look at the planes competing. Most had their planes in tents because of the chance of rain. There were a lot of empty tents also. One of the staff mentioned that a lot of the contestants left after the second round because of the possibility of bad weather.

Aside from the static scoring, the pilots had to fly as the full scale did exemplifying the features the plane had. They were challenged by a strong cross wind. You could easily see who had rudder experience.

The jets were no better than what I've seen at regular events. The gas planes were also no better than what I've seen at regular events also. Although the detailing was real precise. I wonder how some of the pilots and builders in our club would fair against the competitors in this event.

The noontime show was short. Horizon Hobbies had a speed plane that flew at over 200 mph. There was a person who flew a helicopter. Lastly there was a pilot who flew a jet that looked like a BD5. He was an exceptional pilot flying the jet low and slow as well as high speed flight.

CONTACT THE TOP O' NEW JERSEY

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Meeting Schedule for 2023

January 19th	Andover Borough Senior Center
February	No Meeting
March	No Meeting
April 20th Swap Meet	Andover Borough Senior Center
May 18th	Hardyston
June 15th	Reynolds
July 20th	Hardyston
August 17th	Reynolds
September 21st	Andover Borough Senior Center
October 19th	Andover Borough Senior Center
November 16th	Andover Borough Senior Center
December	No Meeting

All meetings start at 7:30, no matter what venue.

April 2023 Treasurer's Report

The January beginning balance is \$7,915.12, Collections for the 3month period total \$4,929.00 represented by Dues \$4,760, Applications \$25, Donations \$135 and 50/50 \$9. Expenses for the 3 months totaled \$570.94 represented by State of NJ \$190.50 AMA \$280 and room rental \$100.

The result is an ending balance of \$12,273.18.

Reserves are as follows:

Encumbered for 2023 Operations	\$4,358
General Reserve	\$2,915
Reynolds Field Reserve	\$ 3,000
Event Reserve	\$2,000
Total	\$12,273