



Wing Tips



October 2018

The Newsletter of the Mid-Hudson Modelmasters

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2018 Club Officers

President: Brad Quick

Secretary: Larry Kunz

Sgt. at Arms: Flavio Ambrosini

Vice President: Scott Fellin

Treasurer: Tom Eng

Junior VP: George Amenta

Club Calendar

Coming Up:

- **CLUB MEETING :** Watch for information about our October meeting at Highland Middle School via Google Groups.
- **Oct.12- 14, 2018 Black Dirt Squadron Aerotow.:** 178 Indiana Road, Goshen, NY, 750 foot manicured smooth flat grass runways, Booming thermals from surrounding black dirt fields, Out building to store assembled tow planes and gliders, E-Sailplanes welcome but no winch or high-start flying, Daily lunch available to purchase, Primitive camping at the field starting Thursday night, \$20 donation for one day, \$50 for all three days, Best value hotels are located in Middletown, NY, Current AMA or MAAC required to fly, Informal R/C swap shop...bring all your unwanted treasures!
- **November Wing Tips articles & photo submissions due, Thurs., November 1:** Send your submissions to wingtips@modelmasters.us Due date is first Thursday of each month.
- **Saturday, November 3, 2018, Flying Dutchmen RC SWAP MEET AND AUCTION,** 3040 Hamburg St, Schenectady, NY 12303. 1 Mile off Thruway exit 25. . Doors open at 7AM for vendors, 9AM for the public. Auction at 11:30am. Breakfast, lunch, refreshments. Nearby lodging, restaurants, entertainment. For tables and info contact Ken Brockway; 518-237-1079 or wb2tdg@aol.com.

Other Events:

- **MONTHLY MEETINGS:** For the summer months meetings will be held at the flying field, check the newsletter for exact dates and watch google groups for update notices.
- **OUTDOOR FLYING SESSIONS AT WEST ROAD FIELD** – Every Saturday Morning, weather permitting.
- **Schenectady, NY, Armory flying** Tues. Oct. 9, 5:00 to 10:00 (Flying and EPA Club Meeting), Wed. Oct. 17, 6:00 to 10:00, Wed. Oct. 31, 6:00 to 10:00 Check the EPA website (epaclub.org) for status.

MEETING MINUTES – September 22, 2018 – Redl Flying Field

11 members present, meeting started 11:10 AM.

1. Financial Report - Treasurer Tom reported \$1,709.91 plus \$500 in escrow at Highland Middle School. \$117.31 is still in the field mowing fund. 3 former members have rejoined, membership currently stands at 38 members.
2. Picnic review, based on comments, it was a successful picnic. Bob Santoro will check with Scott Fellin on fun fly results and report to Bill Bolitho.
3. Bob Santoro will send thanks to Pleasant Valley for supplying the Porta-John for the picnic.
4. The members of the club recognized the recent passing of member Jim Wood.
5. Winter club build - President Brad will contact John Knight about a winter build of an indoor "Science Olympiad" type airplane.
6. Winter meeting dates at Highland Middle School are in discussion by President Brad. Final schedule will be published when available.
7. An email issue regarding the Modelmasters Google Group was discussed, President Brad will check and try to fix.
8. Show and Tell
 - a. Brad Quick showed his new Sony VTC6 hard case cells, rated at 3000 MAH and 30 amp draw. He is running 6S2P in his large Cub, he will try 6S3P next. Supposedly these cells have very good cycle life. Beware of counterfeit cells that he originally bought and found running hot at only a 10 amp draw.
 - b. Kent Wein showed his Freewing F16 with retracts, 70 mm ducted fan, running 6S 4000 MAH battery.
 - c. Kent Wein showed his Opale para motor.
9. Meeting adjourned at about 11:40 AM.

Respectfully Submitted, Tom Eng

INDOOR PLANE BUILD PROJECT by John Knight

Let's get ready for the indoor flying season by building a rubber band powered airplane. John Knight will be the facilitator for this year's winter build. The sessions are scheduled for November 3, 2018 and November 10, 2018 at Taylor Manufacturing in Poughkeepsie. That should allow plenty of time to receive the kit from Freedom Flight. Even though I scheduled two days for the build, I believe that one day will be sufficient.

We will be building the same model that will be used for the Fun Science 2019 "Tandem" for the Wright Stuff component of the 2019 Science Olympiad. Every couple of years, the planes are redesigned as is the case with the 2019 plane. In looking at the picture, it appears that both the wing and the horizontal stabilizer can be repositioned along the length of the fuselage. It also looks like you will be able to alter the incidence of the wing and horizontal stabilizer independent of one another. I will know more, once my kit arrives. This is a different plane than one you may have seen me fly in the past.

I am purchasing my kit and accessories from www.freedomflightmodels.com. There may be other companies that offer the same plane, but I am only familiar with Freedom Flight Models.

Here is my recommended parts list. Obviously, you may modify the list anyway that you would like.

Fun Science Plane. Full kit includes 2 airplanes.	\$64.00*
Winder 15:1	\$20.00
2-15cm Propellers	\$3.00 each
2-22.5 cm Propellers	\$3.00 each
4-Front Hooks	\$.50 each
6-Rear Hooks	\$.50 each
2-Nose buttons	\$.50 each
1dz O-Rings	\$2.00
1-.020 x12" Piano Wire	\$.25

Be sure to check out their on-line catalog. There may be other accessories that you might like to purchase.

*A partial kit is available for \$44.00. There are enough materials to build two planes. The PARTIAL KIT does NOT contain any instructions, drawings, rubber, building fixtures or covering cradle. These Partial Kits should only be ordered if you have a Full Kit or access to one and will reuse items not included in the partial. Do not order this unless you already have all these items from a FULL KIT. If you partner with another person, one can order the full kit and your partner can order a partial kit which will lower the overall kit price.

I built the 2014 plane and the 2016 plane. I have successfully flown the planes many times. Most flights are over 1 minute. Depending on the height of the ceiling and the obstructions in the room, you should be able to attain flights well over 1 minute. Additional components like o rings, tail and nose hooks, are a necessity. The parts are small and thin, and will fatigue and break with repeated use.

Adhesives are not included and will need to be sourced elsewhere. Winders are essential for rubber powered airplane flights. Putting 750 turns on a motor is a piece of cake when you have a winder. It is a tool that can last for many years but must be ordered separately.

Small hand tools could be necessary such as pliers, wire cutters, and single edge razor blades and a hobby knife. Sharp cutting tools are essential. A building board will be essential since some of the components will be built directly on the plans.

The instructions in a full kit are extensive and cover all items included in the kit, step by step building guide, flying hints, tips and suggestions. An aerodynamics dissertation on how an airplane flies is also included with insights on how to best adjust and control the plane for maximum flight time.

It is pretty exciting to watch a rubber motor with 700 or more turns, break and turn a model into a bundle of sticks in a few seconds. Therefore, we will also build a winding board so that you can wind the rubber motor separate from the plane.

Brad has once again offered the use of Taylor Manufacturing located at 130 Salt Point Turnpike, Poughkeepsie, NY 12603.

Email me at wjknight@aol.com if you plan to attend or have any questions.