

# Wing Tips

## May 2013

The Newsletter of the Mid-Hudson Modelmasters

Editor: Nicholas Batson, [REDACTED]

Email: [wingtips@modelmasters.us](mailto:wingtips@modelmasters.us)

Website: <http://www.Modelmasters.us/>

### Club Officers for 2013

President: Bob Santoro [REDACTED]

Vice President: Ron [REDACTED]

Secretary: John Knight [REDACTED]

Treasurer: Tom Eng [REDACTED]

Sgt. At Arms: Flavio Ambrosini [REDACTED]

### Club Calendar

#### Coming Up Shortly:

**Friday, May 17<sup>th</sup>:** Club Flying Session and Meeting – *HIGHLAND MIDDLE SCHOOL GYM, 71 Main St., Highland, NY 12528, 6:30 to 9:30.* Indoor flying and a short meeting at 7:30.

*Note: Please limit flying to indoor types -- fly the larger, more aggressive models outdoors or at larger indoor sites*

#### **Saturday May 18<sup>th</sup>:**

We will participate in the Ralph R. Smith School "Hobby Day" taking place at the Model Railroad Museum on River Road in Hyde Park from 11:00 AM to 2:00 PM. Please Call Bob Santoro to if you can help out in any way.

#### **FLYING SESSIONS AT WEST ROAD FIELD**

Every Saturday Morning, weather permitting.  
Charge your batteries and let's fly!

#### **Looking Ahead:**

##### **Flying Season Is Here!!**

Our upcoming meetings will be held at the West Road Field from June till the fall. The **June 21st** Modelmasters club meeting will be at the West Road Field. The meeting will be at 7:00 PM. with opportunities for flying before and after the meeting. In the event of inclement weather the meeting will be on Saturday, the 22nd at 10:00 AM

with opportunities for flying before and after the meeting. Members will be notified by email at 5:00pm on Friday if the meeting is cancelled. Members without email can call Bob Santoro at 914-475-9377 if uncertain about whether or not the meeting will be held.

The **July** meeting will be at the field on the 19<sup>th</sup>.

#### **August:**

Our August meeting will be our Third Fun Fly/Picnic. Last year was a blast. Come out and join us for some food and flying. We will have some fun flying challenges for all levels of flying. **Back by popular demand!!** Bring your home built wing for some Ribbon Cutting Combat if you dare! **Plans below!!**

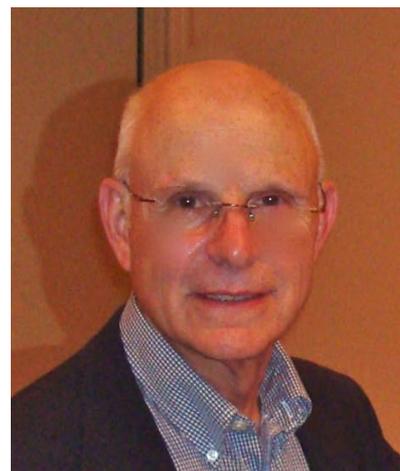
If you need the plans in a larger format email Nick at [wingtips@modelmasters.us](mailto:wingtips@modelmasters.us). Just ask for the Flying Wing Plans and they can be sent as an 8.5x11 PDF.

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## FROM THE PRESIDENT'S COCKPIT

### -BOB SANTORO -

As we wind down our indoor flying sessions at Highland Middle School and Ulster County Community College flying activity is on the increase at our West Road Field. The field is in excellent condition thanks to the hard work on April 13th of Lloyd Quick, Brad Quick, John Knight, Tom Eng, Dillon Losee and Graham Foster. Lloyd towed his powerful brush hog to the field which was used to clear out a large area of thorny brush at the southern end of the runway. This has allowed for easier takeoffs and more space for misjudged landings.



The Pleasant Valley Town engineer has approved of our doing drainage and minor excavation work at the field. Ron Irvin, our Vice President has volunteered to do the work and provide the drainage materials. We very much appreciate Ron's contributions toward making this field improvement.

On May 8th John Knight and I will be meeting with Mike Watts, teacher and model plane club advisor at the Highland Middle School to discuss our potential involvement with his students.

On May 18th we will participate in the Ralph R. Smith School "Hobby Day" taking place at the Model Railroad Museum on River Road in Hyde Park from 11:00 AM to 2:00 PM. We will have flight simulators available as well as a display of some of our planes, helicopters and quadcopters. Because of limited space we will only be able to demo some of our small quadcopters. We are in need of a few simulators. Please contact me (914-475-9377) if you have one and would be willing and able to bring it to the program.

This summer we will be conducting our second flying demonstration at the Pleasant Valley Day Camp. It was very well received by the campers last year and we have been asked to return.

Planning will begin shortly for our 3rd Fun Fly/Picnic in August. We will once again have some fun aviation challenges for flyers of all levels. Back by popular demand will be the Ribbon Cutting Combat Event which was a big hit last year. The sight of all those "Flying Wings" with the colorful ribbons trailing behind was awesome. The "Flying Wing" is an easy and fun build. I've included the plans in this issue so those of you who are interested will have plenty of time to build and practice flying it.

Our final indoor meeting this year at the Highland Middle School will be on May 18th beginning at 6:30 PM from June until Fall. Our meetings will take place at the field.

Build straight, fly safely and have fun,

Bob

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**N**OTICE: THE LOCK ON THE CHAIN FOR THE REDL PARK FLYING FIELD WAS CHANGED ON MARCH 3RD. THE NEW COMBINATION IS PRINTED ON YOUR 2013 MEMBERSHIP CARD.

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## MINUTES FROM MODELMASTERS MEETING FRIDAY 4/19/2013

- Model master meeting minutes April 19, 2013
- Meeting was called order by Pres. Bob Santoro at 7:32 PM there were no new guests or members present.
- The minutes of the March 22, 2013 meeting were read and accepted.
- The Treasures report indicates that there is \$981.39 in the treasury.
- The Treasurers report was accepted.
- The field cleanup was conducted as scheduled. Present were John K., Tom E., Dillon L., Bob S., Graham F., Brad Q., and Lloyd Q. Thanks to all those who participated. A special thanks to Lloyd and Brad for providing the heavy equipment that was used to make the field an even more pleasant place at which to fly. The attempt to rake the stone from the driveway edge to the driveway itself, proved fruitless.
- President Santoro reported on the Ralph R. Smith School program that is scheduled to be held at the Hyde Park Railroad station. Bob and DJ visited the site to see if flying was a possibility. It was determined that the area is not suitable for fixed wing aircraft, but that small quad copters may be acceptable. Bob put out a request for members with laptops and flight simulators to bring them to the event so that they could be used by participants. Electricity will be available. Graham, Lloyd, and Bob volunteered to bring their computers and flight simulators.
- Brad's presentation at the March meeting on quad copters was very detailed and informative. Tom produced a DVD of the presentation. John K has it now. Contact him, if you wish to borrow it.
- Pleasant Valley Board approved the proposed drainage work that was recently submitted. They require that we don't disturb more than 1 acre.
- Pleasant Valley has asked that we participate in one of their camp programs as we did for Pleasant Valley Day. We will make use of quad copters and simulators.
- Bob has been in contact with the club advisor at Highland Middle School. A meeting will be scheduled to talk about the continuing/changing role of the Model Masters.
- Our next meeting will be either at Highland Middle School or Redl Field on May 17<sup>th</sup>, or at Redl Field on May 18<sup>th</sup>. Additional news to follow in Wing Tips.
- SHOW AND TELL: Lloyd demonstrated his hobby King 3 axis Gyro that can be turned off and on from the transmitter. The new Hobby King receiver is a single unit incorporating both the receiver and gyro.
- Dillon presented his homebrewed experimental swept wing pusher which used packing tape hinges. He is also using the packing tape to seal the gap between the wing and the control surface, with the hope of better flight performance. Dillon also presented his flying wing made from two sheets of dollar store foam board and epoxy.
- Meeting was adjourned at 7:57 PM

Respectfully submitted,  
John Knight, Secretary.

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## EDITORS CORNER

Well the flying season is here and I hope everyone is enjoying it. I haven't been able to build my micro/mini quadcopter just yet and I am already eyeing up my next quadcopter. Hobby King just came out with the Pocket Quad Ultra-Micro DSM2 MultiWii Quadcopter. It's a plug and fly model (PNF) but from what their description says it has some assembly required. You always have to be careful with Hobby King and read everything. I have been on RC Groups and there is already a good thread on it. Very few people have it in hand at the moment. The motors need to be installed with some glue and then plugged in. Hot glue is not recommended according to RC Groups, since the motors do get warm enough to melt the hot glue some were saying. Thick CA strategically placed in small amounts sounds like it will do the trick. It comes with a Hobby King Orange DSM2 satellite that needs to be bound with a satellite capable receiver and then reinstalled on the quadcopter. This little quad only weighs 30 grams according to Hobby King. Below is the link to the quadcopter on Hobby Kings Website:



[http://www.hobbyking.com/hobbyking/store/\\_37330\\_HobbyKing\\_Pocket\\_Quad\\_Ultra\\_Micro\\_DSM2\\_MultiWii\\_Quadcopter\\_PNF\\_.html?utm\\_campaign=080513.USE&utm\\_content=92120686&utm\\_medium=email&utm\\_source=EDM](http://www.hobbyking.com/hobbyking/store/_37330_HobbyKing_Pocket_Quad_Ultra_Micro_DSM2_MultiWii_Quadcopter_PNF_.html?utm_campaign=080513.USE&utm_content=92120686&utm_medium=email&utm_source=EDM)

Below is the link to the RC Groups thread that I am following:  
<http://www.rcgroups.com/forums/showthread.php?t=1885026>

I hope everyone enjoys this information. Whether you're into quadcopters or not I would think we can all agree this little guy is pretty awesome.

Until next month,

Sincerely  
Nicholas Batson

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## MEET YOUR FELLOW MODELMASTER MEMBER BOB AUCHINCLOSS

### **1. How did you get into the hobby?**

I drove by the field (just a mile from my house) one day, saw some guys sitting under a canopy with planes around and drove on in. The group was so welcoming and excited by the sport that even though I was 80 I couldn't resist

### **2. How long have you been in the hobby/sport?**

It has been just two years since that first meeting

### **3. What aspect of the hobby/sport are you most interested in?**

All of it; the flying, the building, the technicality, going to events, reading the magazine and being amazed with the scope of it.



#### **4. Do you remember your first plane?**

Easy as it was just two years ago, it was an E-Starter. It is easy to build and comfortable to fly (A good recommendation from guru Lloyd Quick). Now have the original two planes plus a 3D, a powered glider, two smaller indoor planes, two helicopters and a quadcopter. The sport grows on you.

#### **5. Do you have a favorite plane? If so which one and why?**

My Hobby zone Super Cub from a loyalty point of view. It has put up with my learning mistakes (three landings in the trees), some hard landings, and handled some pretty strong wind flying sessions. The nose cone is gone and it bears many scars, but I haul it out when I want to just enjoy a flight.

#### **6. What is the most challenging part of the hobby/sport for you?**

I think it is getting the right mix of power on the plane and adjustments on the transmitter to get a smooth flight. I am still working on getting the proper set up for each plane.

#### **7. Do you have goals regarding what you want to accomplish in the hobby/sport?**

When I first came to the field I would watch Chet Bodley with his 3D plane in awe. I now have a 3D plane which has its scars from crashes but on which I am gaining ground. I am a long way from Chet's skills, but would like to get there. Then there is the penultimate standard of the flying and building skills of Brad Quick to drive me on.

#### **8. Do you have other hobbies or areas of interest and if so what are they?**

So many. I am co-developer of REAL Skills Network Inc, (<http://www.realskillsnetwork.org/>) for kids-at-risk in the city of Poughkeepsie, have a group called Kasual Kayaks (<http://www.kasualkayaks.org/>) with which I have led kayak trips for 17 years, I have ridden motorcycles since I was 16, play golf, tennis and pickle ball (the new senior sport). I was a commercial hot air balloonist for 25 years, commodore of the Hudson Valley Boardsailors at one point. Have flown kites in competition. Through an interest in travel I have been to more than 40 countries.

#### **9. Do you have any advice for new people getting into the hobby/sport.**

Remember the name Lloyd Quick; the most knowledgeable, patient, man of all skills and an incredible teacher.

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## **WORK BENCH SAFETY WITH ELECTRIC MOTORS** **BY WARREN BATSON**

With the warm weather finally arriving many of us are working on our outdoor electric airplanes. I just wanted to take a few minutes to discuss 2 safety items we should be doing to prepare for the flying season.

The **First** thing everyone should be doing before they fly those winter hanger queens, is to spend a few minutes to check out the entire aircraft. This includes all hardware, all electronics, all clevis's and control horn connections, cycling Lipo and or separate receiver batteries, run the engine / motor, etc.... Spending 30 minutes to an hour on each aircraft will ensure your first trip to the field will be a favorable one. I do this every year and when I take those aircraft out to the field for the very first time, I can approach the flight line with confidence, knowing that I have done my homework and that everything is in working order. More importantly, that I can be assured I will be able to take my aircraft home at the end of the day in the same condition as I brought it out to the field. I cannot tell you how many people I see going to the field for the very first time, that have done nothing to preflight the aircraft other than to charge the batteries for the day. I don't know about you but I go to the field to fly, not fix my aircraft.

The **Second** thing that I want to talk about is how to safely work on or preflight your electric aircraft on the bench. While at the field this past weekend, I talked with a member of one of the clubs I belong to and he showed me the scar that he received from an electric aircraft that went to full power on the bench because he bumped the throttle stick on the transmitter. He has one UGLY cut on his hand from trying to stop the aircraft as it came at him. He was lucky he did not require stitches. As a person that has also had an electric aircraft come alive and hit me, I can attest that this happens faster than you can blink your eyes. I was also lucky as it was winter time and my basement was very cold and I had on multiple layers of heavy clothing. While I did not draw blood, the 14in APC prop put a major hurt on me for a few days.

All the electric experts **HIGHLY** recommend that you remove the propeller anytime you work on an electric aircraft. These modern electric motors will not be damaged if run without a propeller. They can take short runs of full power NO loads, and not be damaged. Even so, better to damage a motor than to receive an injury.

If you own an electric powered aircraft long enough you will inevitably experience a unexpected full power experience no matter how safe you think you are. The simplest way to experience this full power experience is while replace the receiver, and this is what happened to me. I was replacing the receiver and the moment I plugged the speed control into the new receiver throttle channel I could hear the arming beeps and it went to full power before I could even move a finger. Why you ask???. Very simple, the throttle setting was reversed on the different brand of receiver, so the motor armed and went to full power.

Please take a few minutes to review and follow the 2 safety topics I have talked about to insure you enjoy this new flying season and remain safe while doing so. Remember "Nobody can protect you better than yourself. Think about Safety often and practice Safety Every Time".

Thanks and enjoy your flying season.  
Warren Batson



## MID-HUDSON MODELMASTERS AEROBOARD



### LIMBO HIGHLAND MIDDLE SCHOOL

#### CONTESTANT

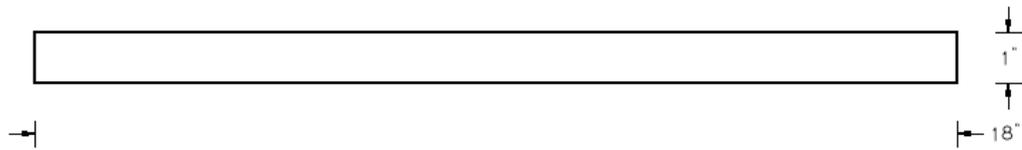
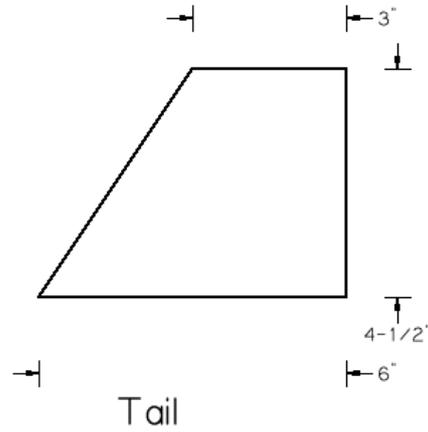
#### POINTS

Nick Batson	7
Flavio Ambrosini	6
John Knight	6
Dillon Losee	4
Graham Foster	3
John Sohm	2
Bob Santoro	1
Rick Rizza	1

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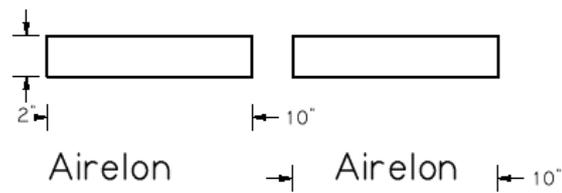
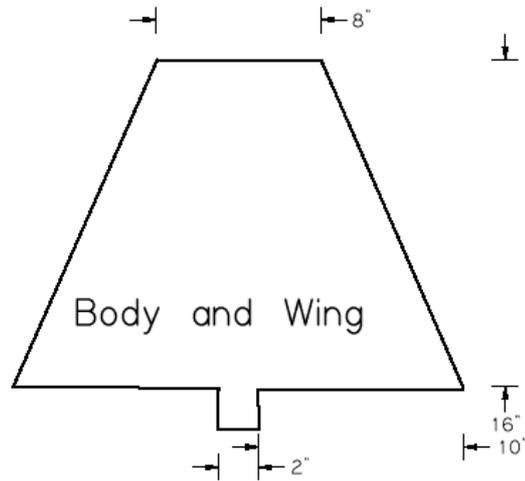
# FLYING WING PLANS

Below are the plans for the flying wing. Some pictures of built wings follow for reference.



Bottom Support

CREATED USING CADSTD LITE FREEMWARE FROM WWW.CADSTD.COM. NON-COMMERCIAL USE ONLY.



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