

Wing Tips



JUNE 2023

The Newsletter of the Mid-Hudson Modelmasters

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2023 Club Officers

President: Paul Ollivett

Secretary: Larry Kunz

Sgt. at Arms: Flavio Ambrosini

Vice President: Scott Fellin

Treasurer: Tom Eng

Club Calendar

Coming Up:

- **CLUB MEETING:** Saturday, June 10, at the flying field. Watch your email sent via Google Groups for any updates.
- **Fun Fly and lunch, Saturday, May 20, 2023:** The annual auction using Modelmaster dollars will also be held during this event. Members have earned 46,665 Modelmaster Dollars in 2022. Further details are included in the article by Bob.
- **July 2023 Wing Tips articles & photo submissions due, Thurs., July 6:** Earn Modelmaster dollars for club related items submitted. Send your submissions to hvmodelmasters@gmail.com Due date is first Thursday of each month.
- **AMA District II Fun Fly & Rally, July 8 & 9, 2023:** Will be held at 5046 West Shore Rd., Cuba, NY. Cuba, NY is located in Western NY State. For more information about event please see https://www.modelaircraft.org/sites/default/files/events/Files/STARS_Fun_Fly_Pilot_Flyer.pdf

Other Events:

- **MONTHLY MEETINGS:** Watch your email for meeting announcements..
- **OUTDOOR FLYING SESSIONS AT REDL PARK (aka West Road Field)** – Every Saturday Morning, weather permitting. Generally there is someone there every Saturday. Most members are flying between 9am and 12pm. Exceptions are weather related (rain, snow, excessive wind). If driveway to field is covered in snow, meet behind West Road School. If temperatures are extremely cold (roughly below 20 degrees) people tend to leave earlier than 12pm.

Model Masters Meeting Minutes May 15, 2023

+ **Field meeting** Called by President Paul Olivett @ 10:00 AM

- A beautiful flying day with a dozen ModelMasters in attendance !
- Next meeting is Saturday June 10, at the field.

+ **Treasurer's report:** by Tom Eng

- \$1602.84 is the current treasury balance.
- 2023 **Membership** now at 34
All membership cards have been distributed.

+ **New business :**

- No new business discussed this month

+ **Party business !** (yes, this is now old news – but it is meeting minutes)

- **Saturday May 20 will be our annual "dinner party"**
 - + Bob Santoro will coordinate once again.
 - + \$5 per person contribution. Guests are welcome.
 - + Paul agreed to prepare pulled pork and beans – We will compensate him for the cost thereof ...**Thanks Paul !**
 - + Members will supply salads, etc. and be reimbursed by MM
 - + Brad & Scott agreed to run the fun fly once more.
 - + Free flight at 9, Events begin at 10:00

+ **Show & Tell :**

- + Bernie told of defective \$18 Horizon charger – replaced by Horizon with \$65 unit !
- + Flavio had an update on his 3D printed DC7.

13th Annual Auction/Fun Fly, May 20, 2023



This year's auction/Fun-Fly was one of the best attended, with 27 participants and guests. Although the event had to be rescheduled to Sunday because of a rainy forecast, most members who had registered were still able to attend.

As always, the fun-fly had its creatively challenging events developed by Brad and Scott. And the mass combat launch provide its usual excitement, notably Brad's cub wing succumbing to extreme forces in the last few moments of the event.



Larry did a superb job of filling in for Dom in conducting the Modelmaster Dollar auction. The bidding went smoothly and with the new rules in place gave numerous members the opportunity to actively participate. Bill Bolitho's quiz was another presentation of aviation trivia that was mentally challenging. Bill's production and delivery of modelmaster dollars is much appreciated. And thanks Tom for handling the auction finance transactions.

Paul's pulled pork was a culinary delight and is now right up there with the chicken dinners. We had an extraordinary amount of donations of assorted dishes, probably the most ever. Our thanks to all those who made this contributions. And thanks to all those who brought the tables and EZ Ups that we used.

Our next event will be a fun-fly in the fall which we hope many of you will attend. The date has not yet been established.

Happy and Safe Flying,
Bob

Here are photos of the Fun Fly from members:



The 2023 'Most Improved Flyer Award' winner is Bob Culley. This award is given to the most improved flyer over the past year. Bob now has the responsibility of improving the physical award in some way so it can be awarded to next year's winner. Congrats Bob!

Several photos of the flight line.





Scott Fellin standing by for combat event.



Suggestions for new members by Bill Bolitho

First off, at home, you need the space that you can call yours and not someone else's. The reason for this is that the model your building requires a certain amount of space to be built in and you don't want it, to be disturbed when you're off doing other things that are more important like work, school or eating a meal with your family.

After, being granted a place. The first items are the table (2' x 6', with folding legs, an option), a chair, an X-Acto knife with at least 5 extra blades. Several polyethylene bags (to hold various parts of your model, (One bag for Fuselage Formers, or Wing Parts (Note: upper wing parts might be different from the lower wing parts), etc.). The purpose of the bag system is to get organized (Do not bag Stringers or Spars, Length is to be preserved, colored low-tack tape, is preferred). While working on the wing, the upper wing, you only want the upper wing parts. The others bags can be safely set aside until needed.

I would recommend cutting all the parts out with the X-Acto knife. The principal reasons, the kit might be die-cut and then again it might not be. Die-cut parts, are made with a hydraulic press exerting about 5 - 10 tons of pressure (sometimes sanding the back of the part sheet with cause the parts to fall out of the sheet, but you would still have to carefully cut out notches for stringers or spars). When cutting the notches out, due be advised that sometimes the stringers and spar dimensions (In your kit) – don't always corelate with the notch size, tight joints = strength and stability. Print-wood parts are patterns printed onto the wood (or sometimes with a laser that cuts thru the wood, and then you need to cut out the parts and have the carbon residue sanded off, because of the lousy gluing surface).

Next up, The Building Board. Several options here. First, you can use a smooth flat ceiling tile roughly ½" by 2' x 4' (approximately \$70 per 64 ft.² - downside is having to buy an 8-panel package, as they are usually not sold individually – but you can ask). A second option, the high-density foam board is another option but the purchase size may be ½" by 4' x 8' (\$27 a sheet) or a Project Square – 1" x 2' x 2' (\$10ea), edge glue* them together for a longer length/width. A third option, is a 4' x 8' by ¾" inch piece of birch plywood (most expensive \$85 a sheet). A final option might be a

damaged (on one side) door. Usually, this last option is unavailable because it will be sent back to the manufacturer, but if available, will sell for approximately half as much as a good door will sell at approximately \$50.

*To Edge Glue a Board. Take two boards, (1) push them together and hold with weights (or clamps, to prevent movement). (2) Then take the short side and even it up along one edge. (3) Along the long top seam, Tape it together, holding the boards together – temporarily. (4) Remove weights (or whatever you used as a temporary restraint), Flip your combination over and open the seam. (5) Run a bead of glue down the center of the” V” and close the seam. Adding small pound weights to the center of each board along and away from the seam – Quickly with a damp towel or cloth remove excess glue (whatever glue you remove here; you won’t have to sand away later). (6) Tape seam, put aside for 24 hours to allow the center glue to dry (“probably” won’t need clamps or weights to hold it, at this point). (7) Remove tape – sand or scrape the seam, IF it needs to be flat. (8) Your New Board Combination is now twice as wide as the old and just as long as the original. Not to be done end-to-end, as that’s a different operation called Scarfing (longer extension than 2-3 inches). This technique, with slight variations will work to widen any board or for carvel planking (ship-work).

Well, you have almost everything, your choice of holding your parts on to the board varies with either pins, jigs (there’s a modeler in Japan who uses jigs to produce an extremely light Indoor Scale model – approx. 4- 5 grams finished weight. Must be doing something right, to win the All-Japan Indoor Scale Trophy – 6 years in a row), or magnets.

Pins are probably the cheapest option – “T” Pins are available for about \$5/50. You’ll need about a 100+ to start (available at Jo-Ann Fabrics). Do not use - glass/plastic ball top pins, they’re for making clothing – the force necessary to emplace the pin will often spear your fingers (lots of blood and pain).

For Magnetic Boards. you’ll need several sheets of thin steel plates (each roughly \$20 for a 1’ x 2’ – butt them together and tape them down to the work table). It takes time to build a collection of magnets that will work for you (a pair of ceramic magnets 3/8 in. x 7/8 in. x 1-7/8 in – costs about \$1 at Harbor Freight).

Poly Vinyl Acetate Glue (AKA White Glue) is somewhat better for the beginner to use. Non-Toxic. Evaporative Glues are nice but usually stink during curing. CA or Cyanoacrylates are fast, but when they cure, they let off a small puff of HCL gas (Not good to breathe and it will sting the eyes), Removing CA from you (instantly bonds to flesh) requires the use of Acetone (Nail Polish Remover). Acetone can be absorbed directly through the skin, so use sparingly. To avoid using Acetone, rub Beeswax (available at Jo-Ann Fabrics as a thread stiffener) on your fingers as a barrier or wear light nitrile gloves.

A word about Sandpaper, you’ll need several grades – 150, 200, 280, 320 and 400 grits. In the cosmetic section of the grocery store a wide variety of sanding blocks or emery boards are available – avoid emery boards that have been stamped out as they have edges that curve downward and can cut into your project.

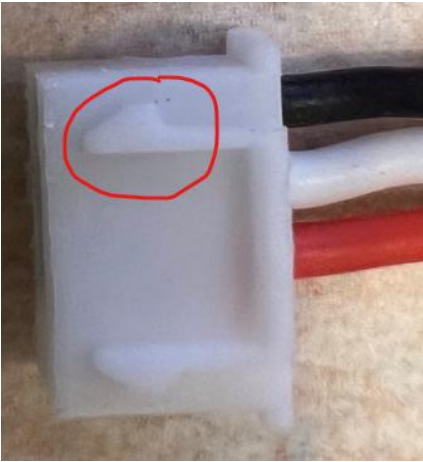
In last place – Do remember to clean up you before tracking all that dirt to someplace else or your parents will use a lot of vituperative language directed at you and only you.

From Our Members

Paul Ollivett - This is Roman (new member, welcome Roman!) with a foam plane that he and his Dad built with help from Brad .It flies very well.



Larry Kunz - Ever have trouble disconnecting a balance connector? If you use them the way they come, you struggle to disconnect them, and risk pulling the wires and ruining the connector. Some use an add on grip that gives enough purchase to pull them apart, but that adds unneeded bulk. Instead, use a sharp X-acto (or a razor) and nip off the little barb on the end of the orientation bar. They will stay connected quite well for charging, but will disconnect without undue force !



Before



After