Prop Wash

Newsletter of the North East Radio Control Model Club
Dedicated to the memory of Ron Arriel, President 1994-2006
AMA Chartered Club #3514
Club Web Site Address: www.nrcmc.club
March 2025

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Treasurer's Report

Budget Summary for January - February 2025

Income:	823.62
Donations:	25.00
Total Expenses:	2130.00
Tractor Fund: (Checking):	2500.00
Checking Account Balance	4082.68

As of 2/28 there are 24 Regular Members for 2025

Dues are Due!

Current membership ends on December 31. You must renew your club membership and AMA membership to fly in 2025.

Dues:
Regular and new member: $75
Junior member: $25

Mail application and check to:
Mike Dascoli, treasurer
20 Jak-Len Drive
Salisbury, MA 01952

No Flying at the Field before 9:00 AM
at the request of the landlord

February Happenings

From Ron:

Thank all members who participated in the questionnaire. It was great to have such a solid participation! Here are the results and our plans to carry out the results.

On the question to amend the club's by-laws to change the meeting schedule currently defined as the 2nd Wednesday of the month to meetings at the field. There was a resounding approval of 93%. Right now I've tentatively scheduled the first meeting for Saturday, March 15 at 10am (weather permitting). Hope to see you all there (bring your planes).

At our last meeting we discussed the need for filing for Tax Exempt Status for the club for the purposes of carrying on club business. A question was raised if it was necessary to have a PO box as part of the application process at a cost of $248/year. Since this would result in significant club expenditure it required a majority vote to allocate the money. The result of the ballot was 64% in favor. In the meantime Mike D. has been investigating and moving ahead with the process of obtaining the Exempt status and is still working on finalizing the details.

From Mike:

~All the officers positions are filled

~New content has been added to our website such as Galleries and Photos

~A new page was added to our website for newcomers as a guide to get into the hobby and a link to ABC Hobbies

~Most of the member information is up to date

~Paypal option has been removed as it was costing members additional $2.50 and the Club was losing .69 cents

~The News and Announcement section has some content

~Zoom account has been downgraded to FREE version savings of $159.90

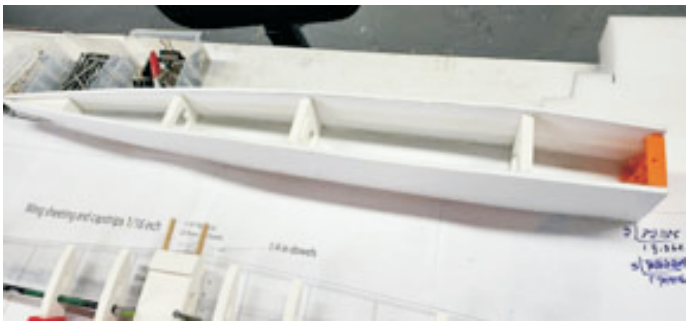
Next Meeting: Saturday, March 15 at 10:00am at the Field

KAOS FOAM BOARD BUILD
by
Ron St Germain Sr

This is my 3rd KAOS build. The first two were pretty much standard balsa and Monokote construction with a slight twist where the ribs, formers and specialty pieces were 3D printed. I crashed my first one on it's maiden voyage. It flew beautifully for 11 seconds and then decided to land abruptly. I quickly built up another one for this spring. I love the design and with the winter weather being what it is, I thought I'd try my hand at doing a foam board build in anticipation of having some spare parts after I crash my second plane.

Fuselage Rough In

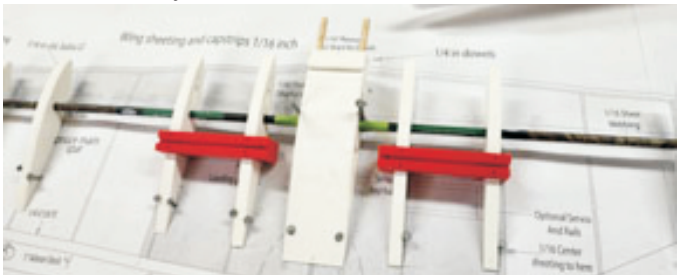
I started the build by roughing out the Fuselage. Here is a a view looking at the bottom with the formers in place. The white formers are 3D printed from light-weight foaming PLA. The front orange former is PETG for it's strength and higher heat deflection temperature characteristics (also helps to make it nose heavy).



The orange former has provisions to mount the motor as well as features for the nose gear.

Wing Structure

Next I worked on the wing structure. All the ribs are made of light-weight Foaming PLA. The ribs were "traced" from the original plans and re-sized to accommodate the 5mm thick foam board so as to retain the original wing profile. The red pieces are for the wing gear and are 3D printed in PLA. The bayonet is a 7mm carbon fiber arrow.

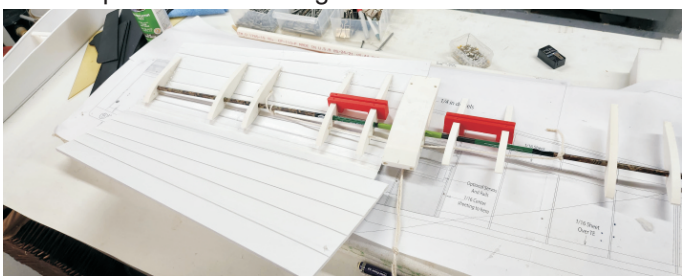


Wing Covering

For the wing cover I made a poster board template to fit the wing then traced the template onto 5mm piece of foam board. Since foam board tends to buckle if it is bent too tight I designed a tool that holds a utility knife blade at a 45deg angle and set to a depth about 4mm to score the inside of the cover and not cut all the way through.



The photo below shows the right side of the scored wing cover being assembled to the wing structure. Beads of hot melt glue were applied along the ribs and the cover was slid into position on the wing structure.



Once the hot melt sets, hot melt glue is applied to the top side of the ribs and the cover is pulled over the top and held in place until the hot melt sets up.
Once the glue has set the cover is trimmed along the trailing edge and the wing tip to the final outline.

The following 2 pictures show the top and bottom side of the finished wing.



Tail Feathers

The tail feathers are made of 5mm foam board that was traced from the original plans. The vertical and horizontal stabilizers are hot melted to a 3D printed base and will be attached to the fuselage in the final stage of assembly.



Test Fit

The dreaded time of reckoning……Does everything fit?



So far so good!!!

NEXT UP

Time to complete and dress out the fuselage….

TO BE CONTINUED