

# EDINA MODEL YACHT CLUB

## SAIL & SCALE

### NEWSLETTER

February 2023 Membership Meeting, News and Other Things

At the Membership Meeting

Laughing in the face of the “storm” we had a great turnout for the meeting:



Business was short with mostly announcements and results of the polls presented in the January meeting and newsletter:

- Rob Segal is doing the poster again this year, but we will need a new person to do the poster next year. If you have the knowledge to, or always wanted to learn how to work with graphics, we need you put the poster together next year. Let me know. Someone needs to pick this up as the poster is a very important task! I noticed on another club's website that their poster is a free download for people to print their own copy. Unless someone can present that this is not a good idea I would like to offer our poster for the same. Rob has this year's poster all mocked

up and he is just looking for a few images to complete it, so if you have a great shot or two send them to Rob at. I think we should be sure to feature ODOM and DF 95 racing so be sure to send any good photos of the racing to Rob, too.

- Rob has also provided the dates for Classic Boat Shows and the club calendar is completed. The dates for the shows are:
  - White Bear Lake, Saturday, June 24<sup>th</sup>
  - Alexandria Legacy of the Lakes, Saturday, July 8<sup>th</sup>
  - Gull Lake at Bar Harbor, Saturday, August 26<sup>th</sup>
  - Lake Minnetonka, Saturday, September 9<sup>th</sup> (as last year this is the same day as Light House Night #2)

Let Rob know by email if you want to commit to any of these. You need to do so in the next few weeks so that he can get back to the organizers with our commitment. You are always welcome to just show up at any event but to get space assigned to us we need to commit up front.

The completed calendar is available on the club's website for downloading and printing.

- Speaking of the website, David Petrich has given the site a new look and made the popular features easy to access. Stop by and take a look! A very nice fresh makeover for the site. A big thank you to David!
- Through the club website we got a contact from Morey Knutsen in Iowa. His group is looking for 75 MHz receivers, and only the receivers - no crystals or radios. I found two in my shop, so if you can find some of your own that you would like to donate to Morey plan on getting them to me sometime and I will send them to him all together in one mailing.
- In the January newsletter we asked for feedback on continuing zoom meetings, and the food/beverage for the Spring Breakfast. We heard nothing on the zoom meetings so we will not be doing those in the future. There were just a couple of responses regarding the Spring Breakfast, and with that feedback we will be doing the food and beverages on our own. Right now we envision coffee, juice, coffee cakes, rolls and donuts. If you would like to help in any way get in touch with Terry at: .
- Richard Dahlquist has been looking into renting a pool to run our boats as a special event during the winter. Here is his updated, but not final, report:

While I still don't have all the info I'd like to share about a pool activity I do have enough info to share that would in my opinion show that it is really not feasible without an increase in our club dues plus a participation fee for each person attending which would be determined by how many actually participate. As of now it looks like the insurance requirement would be in the \$300 to \$500 range for a 1 year coverage period (thus the increase in club dues) and the pool rental would be \$100 to \$250 per hour (thus the

participation fee determined by how many go) anywhere from \$10 to \$25. I would think we would want a two hour block of time so that fee would be double. As of now I'm looking at the Richfield and Edina High schools and the available times are Saturday evenings after 5:00 pm so that is limited. While the pools would be large I do not know if we would be able to use any fans to generate wind for sailboats. More at the March meeting.

- We have scheduled a cage cleanup for Saturday, March 4<sup>th</sup>, at 10:00 am. This usually takes only a couple of hours and involves using a shopvac to vacuum all the horizontal surfaces and giving the three-hulled boat a good cleanup. Nothing major in the way of repairs or discarding this time. At the same time I would like to look at getting the two sailboat models off of the wall with the hopes someone will adopt one to cleanup and do any refurbishment needed to get them functional. You don't need to contact me to help with the cleanup, just stop by and bring your own shopvac if you can.

### Show and Tell

We had a major presentation from Tim Kowalik, but first I had a couple of (much) smaller things to share.

#### Shaft drilling jig.....

Those of us without any serious shop equipment find our victories in doing things in less precise ways. We have a saying at our house that everything in the house ends up in the garage (shop) eventually for repair or improvement. Cars, motorcycles, appliances, boats, dogs, you name it all get a shop visit at some point. A boat was up this time for a visit to the garage/shop and it is one of the five PT boats built by former member Ray Miefert that I acquired through the massive boat collection sell-off by Larry Johnson a few years ago. The boat is a Dumas kit that is old, dry, and something falls off or breaks whenever you look at it. The boat is immensely cool though and completely worthy of the upkeep. The rudders, of which there are three, consist of a flat rudder blade inserted into a slot in the rudder shaft. There is no means of affixing the blade to the shaft other than friction, therefore the blade is knocked out of alignment whenever it is moved. Did I mention there are three?! I have tried gluing for a quick fix but it never seems to hold. What is needed is to have a couple of pins inserted through the shaft and blade. OK, fine, let's see, hand drill only, basic saws, and stuff laying around, how do you drill very small holes through a round shaft. A favorite saying on a YouTube site by Tarryl Dactyl, who has excellent videos on repairing lawn mowers, push and riding, and small engines in general, is: "this isn't the space shuttle, it's just a lawn mower!", and that applies here.

I made up a jig starting with a couple of pieces from some oak trim left over from building our house. I settled on creating the pins by clipping off some brad nails I had in the shop. Here are the pieces for this upgrade:



The rudder shaft is 3/16" in diameter. Putting the oak trim pieces in a vise flat side to flat side, start by drilling the mating surface between the two with the smallest bit in your handyman set of bits. The bit is too small to do anything but follow between the surfaces creating an open half cylinder in each piece. Now drill the same hole larger one bit size up at a time until you get to the 3/16" diameter bit. On one of the pieces layout where the shaft and blade overlap, and drill two small pilot holes for the pins in the overlap area from the inside out. See the right oak piece above for layout. The shaft of the brads measured 1.08 to 1.09 mm diameter. I have some micro drill bits from Harbor Freight, and I think one of the swap meets, and in that selection I found a bit at about the same diameter to drill the holes for the "pins".

Now lay out one rudder blade and shaft in the right orientation and outline it on a surface (piece of tape above) so that the next two will be about the same (not the space shuttle - right?). Take that assembly and press it between the two oak pieces with a vise to hold it in place. With the same micro bit drill completely through the shaft, blade and the opposite oak piece in each of the pilot holes. Trim off the brad on each side of the shaft and file down. The final rudders are above.

For the sake of scale.....

Last month my 1950's tug was featured after David Petrich did some repairs and major electronic upgrades. All that was missing was a flag on the flag pole. A flag attached to a toothpick that is usually stuck into a cupcake was requisitioned and had a subtle affect that surprised me. At first I thought the flag was too small, but as I looked at it over a few days on display in our second bedroom it dawned on me that the small flag was perfect, and suddenly the whole boat took on a correct "scale" look.



Maybe it doesn't come through in the photos, but at the meeting I displayed the boat first without the flag, then with the flag, and Kevin Kavaney immediately exclaimed the flag was perfect and completed the scale of the boat. Devil in the details indeed. I think this is similar to the figures placed in/on other boats in the club. It adds to the overall scaled-ness of the model. See below too.

The main event.....

The final display was the second computer generated ship by Tim Kowalik. Tim let us know he is a machinist, which explains a lot. Both of his boats are completely constructed from scratch, meaning the 3D images are Tim's own, not purchased, and created with free software. This is the digital image of the boat at the meeting:



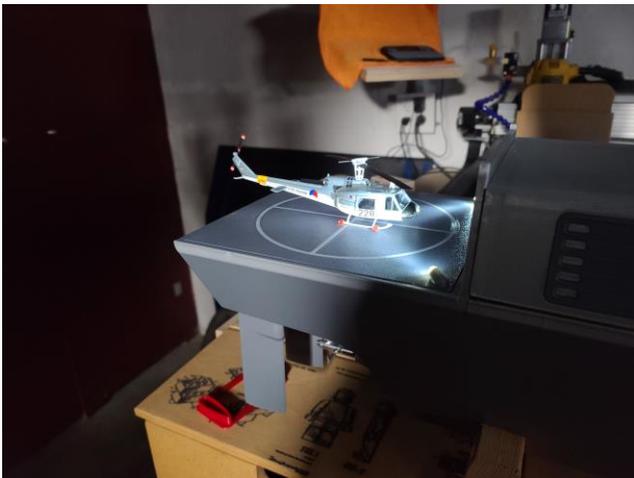
There are 7 channels of controls which include the basic operation of rudder and motor, plus lights, radar antenna, water jet, sound, and smoke (cinnamon scent to not offend anyone!). Tim (on the right) and the real thing:



The lights, which are much more impressive in person:



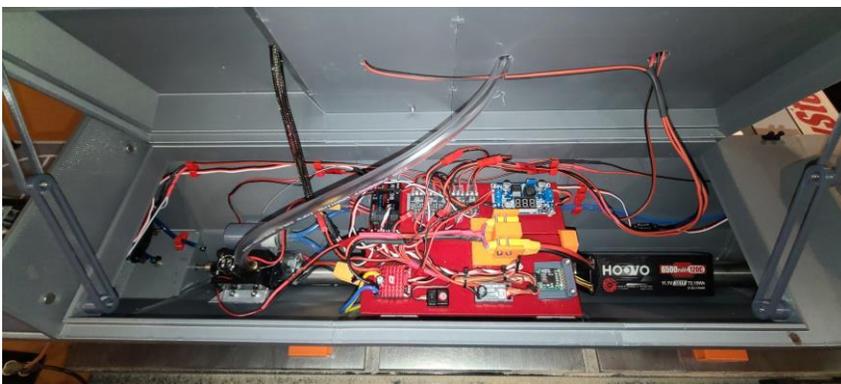
Check out the detail in the lighting:



Helipad



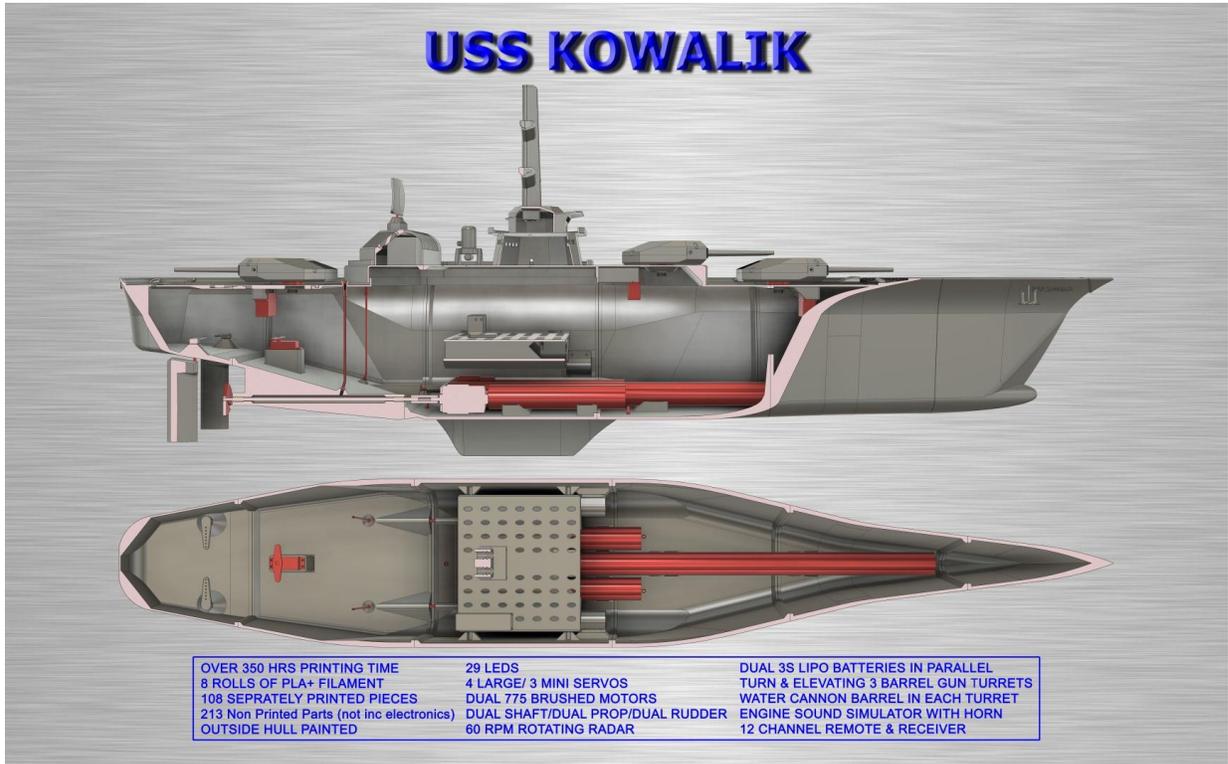
Lego figures scaled down



Electronics, very nicely done!

You can just see the stainless steel tube in the bottom of the keel that is used for ballast to the right of the battery, and under the wires at the left of the electronics board. Tim states that there is about 30 pounds of ballast to get the ship to sit correctly in the water. Also, the different surface textures in the 4D printing are quite nice in different applications on the ship.

The previous ship:



Both models illustrate that Tim is certainly a craftsman of the modern age. Very nice indeed!

What else is going on this winter? David Giovannini is busy in South Dakota installing new sails (A Suit) on his DF 95:



The DF 95 is certainly the Barbie Doll of the RC boating world. There are so many aftermarket parts for these boats it is amazing. You can dress them up as you wish to your heart's and wallet's content to make your boat as individual as you want.

### Market Place

I will make a new section of the newsletter available to anyone looking to sell or purchase RC boat related items. Market Place will appear when we have something to include. For this issue there are a couple of items:

Looking for - Stefan Silverman is looking for a turn-key power boat to get on the water immediately this spring while he is working on a kit. I think Stefan is willing to look at all types of boats. I can get you in touch with Stefan if you have a boat in the offering.

For sale - I have a couple of DX6 radios that are for sale for \$50 each. Stefan has a hold on one depending on how his boat purchase comes out. Contact me if interested.

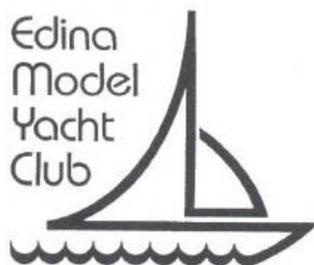
### Coming up

Saturday, March 4<sup>th</sup>, 10:00 am, cage cleanup.

Tuesday, March 21<sup>st</sup>, 7:00 pm, membership meeting.

Next month's newsletter Market Place: final items from Dorothy Zimmermann's son Jim's workshop.

John Bertelsen  
*Commodore*  
*Edina Model Yacht Club*



Vice Commodores: Gary Tschautscher, Rob Segal, David Brinkman  
Treasurer and Membership: Julia Moen  
Sailboats: Tony Johnson  
Scale Modeling: Kevin Waldo  
Website: David Petrich  
EMYC and ODOM Forums: Gary Tschautscher  
DF 95 forum: Burt Fischer  
Dry Dock Party: Terry Bertelsen, Julia Moen  
Face Book: Richard Dahlquist, Todd Moen  
Off site events: Rob Segal