

EDINA MODEL YACHT CLUB

SAIL & SCALE

NEWSLETTER

July 2008

VOLUME 17, NUMBER 7

LIGHTHOUSE NIGHT NEARS!

Lighthouse Night, on Sunday, August 10th, a bit sadly signals the shortening days of summer, but it does take advantage of the earlier dusk to show our boats in a spectacular fashion. Lighted boats, special effects, an operating model lighthouse - all backed up by the John Philip Sousa Band and a great fireworks display - make this one of Centennial Lakes Parks' favorite annual events.

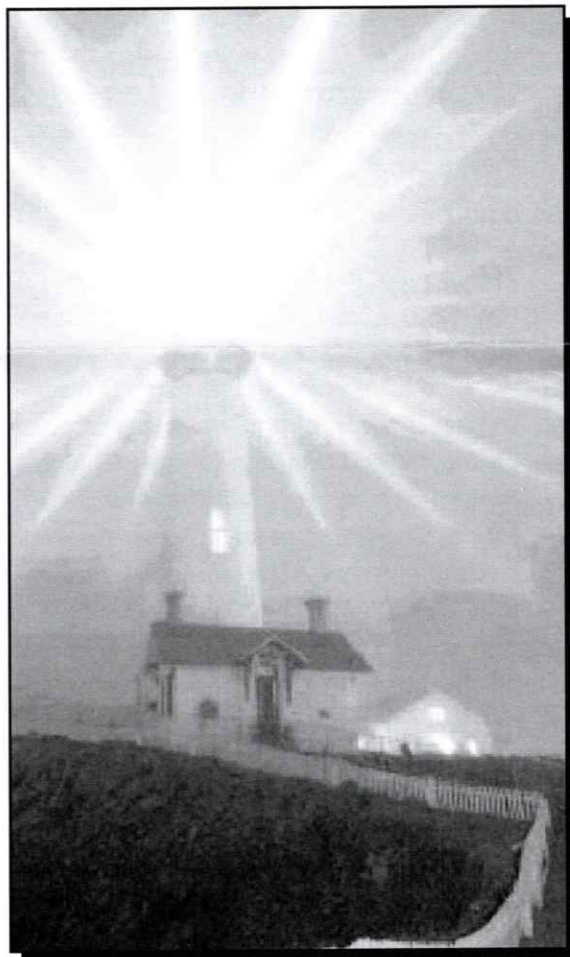
Our part in this event is to fill the lake with boats outfitted with running lights, searchlights, flood lights and and other type of lighting effect you can create. It really is a spectacular sight to see the lighted fleet sailing around the lighthouse on the pond as the sun sets.

At this month's meeting, on Tuesday, July 15, a key topic will be discussion and demonstration of batteries, electronics and lighting effects to help us all prepare for Lighthouse Night. There is still time to create your own shining masterpiece and to buy those bigger batteries to keep it running. Remember that YOU are the show, so please make every effort to participate.

As a reminder, this is a very popular event and draws a large crowd. Try to arrive by 6 or 6:30PM because parking will be difficult if you arrive later. There will be a roped-off area for club members with boats, and the frequency clipboard will be in use. Be sure to check in and get your frequency pin before turning on your radio for any reason.

See you there!

- Dan Lewandowski



SCHEDULE OF EVENTS:

Duluth Maritime Festival - Tall Ships

Sub Regatta 2008

Centennial Lakes Office Park Boat Show

Lighthouse Night

Duluth Harbor

Carmel, Indiana

South Pond

Center Pond

August 1 - 3, 2008

August 2 - 3, 2008

July 15 - 16, 2008

Sunday, August 10, 2008

11:15 to 1:00 PM

COMMODORE'S CORNER



By Al Bickford

First, the Parade of Boats was a great success this year because you brought over 130 boats to the event.

Thanks very much for your efforts..

Second, it's time get ready for our next big traditional event - Lighthouse Night. So fire up those Christmas lights, test those LED's, charge those batteries and get set to glow! We'll discuss specifics at the next meeting on Tuesday the 15th.

Also, I have heard from the folks at Centennial and it seems our Dry-dock Party in November has been moved to Saturday the 22nd - the weekend just before Thanksgiving.

I called Jose Medina to thank him for coming all the way from Des Moines for our Parade. He and Donna are already looking forward to next year's Parade. He sends a special "Thank You" to Doug Person for the kind gift of an American flag that was flown over the battleship Missouri at Pearl Harbor. Jose would also like to thank whoever gave him the Missouri cap since he didn't get the person's name. Please step forward so that you can be thanked with a tip of that hat.

And lastly, sailing in the evenings at the ponds has been great. This last Tuesday we had about a dozen boats in the water. I snapped a mainsail control line and sailed in doughnuts 'till I could grab ol' Thor. Another of us (I won't say who, but his initials start with Paul...) lost complete control of his yacht and watched as it headed merrily into the cattails..

That covers about everything, so I'll see you at the meeting on Tuesday!

Smooth sailing - Al Bickford

SKELETON CREW AND HORSE LATITUDES



By Reese Eaver

While cruising near the coastline off Punta Arenas, Chile, the British sailing ship Johnson sighted what appeared to be a boat with sails floating in the wind. Upon boarding it, the skeleton of a man was discovered beneath the helm. The deck was decayed to such an extent,

that it gave under the footsteps. Three more skeletons were found near a panel, ten were found in the crew's quarters, and six on the bridge. Upon the ravaged prow of the vessel, the words, Marlborough Glasgow, could still be discerned.

The Marlborough left Littleton, N.Z. in January 1890 with a cargo of wool and frozen mutton, and a crew of 23 men under Captain Hird. In April 1890 an unsuccessful search for the vessel was made. Nothing was ever found of them until 1913.

(Taken from the Wellington, New Zealand Evening Post, Nov 13, 1913)

The horse latitudes, located near the West Indies between 30 and 40 degrees north latitude, were noted for unfavorable winds that becalmed cattle ships headed from Europe to America.

Often ships carrying horses would have to cast several overboard to conserve drinking water for the crew of the ship. Because so many horses and other cattle were tossed to sea, the area became known as the "horse latitudes".



EDINA MODEL YACHT CLUB
Your contact for "Logo Gear" is
Doug Person

I have three fantastic catalogues filled with clothing choices you can select to have embroidered by Team Mates, Egan.

Embroidery options include our club logo and/or burgee with your name, boat name, number, etc.

Fly your colors...EMYC!!

BUILDER'S CORNER

BOAT LIGHTING

by John Bishop

It's still not too late to add lights to your favorite boat for summer running and our August 10th "Lighthouse Night" event. The following information will show you how.

First of all, we'll start things off simple and offer you the following option. If you want a completely painless installation, RAM sells a navigation light kit (RAM15) for about \$14.00. It requires only a 9 volt battery, a few well-drilled holes, and about one hour of your time. Provided you haven't drilled too deep, you'll be up and running in no time at all. Contact your local hobby shop for this product.

For those of you that want to try another approach, i.e. a custom wiring project, the accompanying diagram can serve as a rough sketch on where to start. It shows a basic boat hull with an electrical overlay diagram for a four bulb system. A battery pack serves as a power source for the light bulbs. It can be either a separate battery pack dedicated to run only the lights or an existing battery pack that runs other items

within the boat. A simple on-off switch is located just down line from the positive terminal from the battery pack. It acts as an electrical device to open and close the circuit. From there, a wire continues and serves as a common distribution source for power to the bulbs. Since each bulb has two wire leads, one wire from each bulb must be connected to this common distribution wire. The other wire from each of the other four bulbs is now connected to a common wire secured to the negative terminal of the battery pack. Note that the wire leads from direct current (DC) bulbs do not have any specific electrical orientation and can be wired in either direction. The diagram displays the four bulbs being wired in a "parallel" configuration. This produces an arrangement where each bulb receives the full voltage from the battery pack and if one bulb burns out,

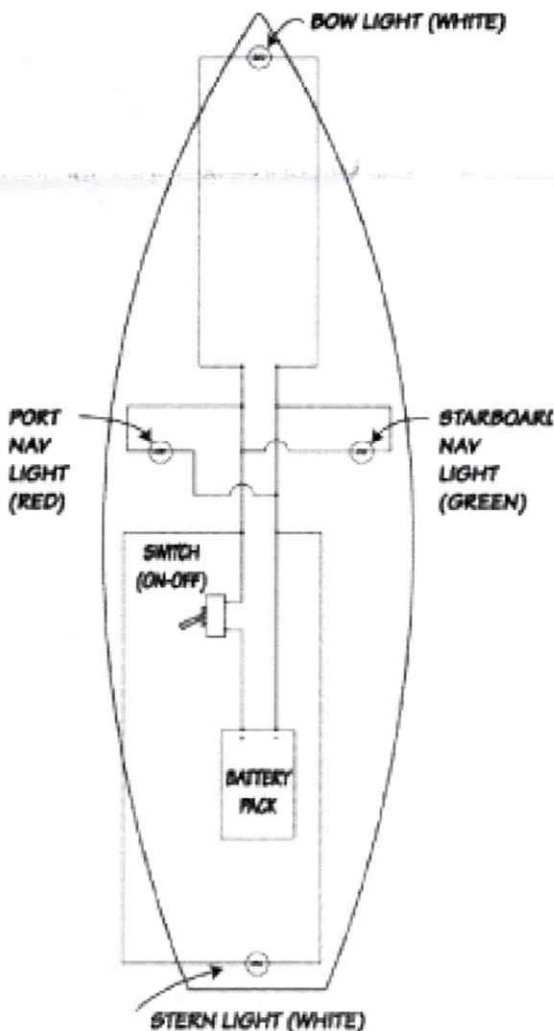
the others will continue to illuminate, making a repair much easier. To simplify the wiring process, select bulbs and battery packs that are compatible, i.e. 12 volt bulbs connected to a 12 volt battery pack.

Although this may seem somewhat complex, the diagram should help in simplifying things. We're dealing with low voltage and low current components here, so even if you do something incorrect, there won't be any explosions.

Where can I get help? Call: John Bishop at [REDACTED] and I'll try to answer your questions.

Where can these items be purchased? Battery packs; Local Hobby Shops, Axman Stores, ABC Electronics, ACME Electronics, Batteries Plus. Bulbs; Local Hobby Shops, Radio Shack Stores, Scale Model Supplies, ACME Electronics, ABC Electronics.

—From Sail & Scale Aug 96 & 97



MODEL BOAT WIRING DIAGRAM

MAKING A MULTIPLE CONTACT, RELAY CONTROLLED, SWITCHING MECHANISM

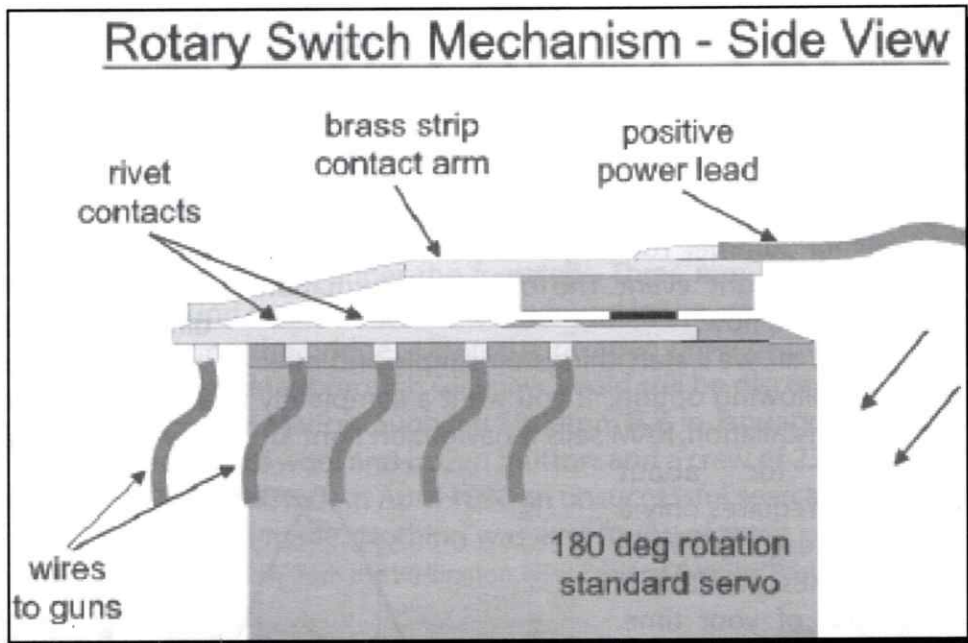
by Al E. Gayter

This simple approach allows the use of a standard servo to rotate a brass strip contact arm across a number of contacts that can be used to energize lights, motors and other special effects.

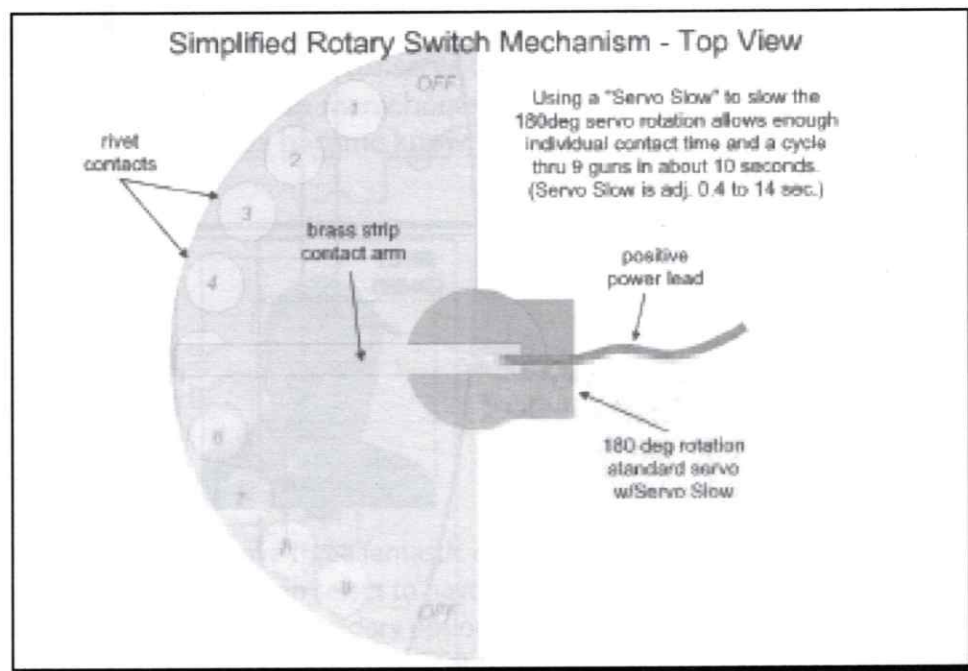
The diagrams show an eleven position contact setup. The first and last positions are "off" positions at the start and end of the servo travel, leaving nine "live" contact positions. Note that in this application, the servo is a 180 deg servo vs the more common 60 deg arc servo. Eleven positions are far too many for control of individual functions. In this case, the servo is rotated over all the contacts to actuate glo plugs to fire cannons in rapid sequence.

A simpler setup with three or four active contacts can be made with a smaller arc servo, and the functions can be activated in sequence. One application is activating a series of light effects. The first contact can activate navigation lights, the next activate the nav lights plus deck lights, and the next contact can activate a spotlight.

Depending on the wiring of the contacts, and whether the brass arm is shaped to "make" only a single contact or to "make" multiple contacts as it is rotated, many effects can be designed.



The positive power lead is soldered to the contact arm. The best wire is multi-strand 18 gauge with silicone insulation. It is very flexible and will hold up in this application.



The brass strip contact arm can be shaped as shown to touch only a single contact at a time. Or it can be shaped like a wedge to cover and "make" many contacts at once as it is rotated.

JUNE MEETING REPORT

By Don Westley, Secretary

Membership meeting, June 17, 2008:

- Attendance: 27 members present:
- New members: Todd and Julia Moen and Michael Trosen Doug Campbell, Kurt Oldenberg.
- Guests: Reed Roloff
- Upcoming events: Lighthouse Night, August 10th was briefly noted. Centennial Lakes invited the club to display boats on the South pond from 11 - 1PM on both July 15th and 16th. This is in support of their annual tenant recognition event, an outdoor catered lunch. Lunch will be available to club members. Contact Al if you can attend with a boat.

- Business:

A new printer for the EMYC Newsletter is still being negotiated. Office Max in the Centennial Lakes Plaza has offered services for approximately \$49 per month for 100 B&W copies.

Arrangements for 2009 EMYC special events have been already made with Centennial Lakes Plaza Management by John Bishop. Thanks, John!

- Show & Tell:

Don Sektnan demonstrated a compressor carrier that he had fashioned to make the equipment more portable.

Reed Roloff displayed an excellent Dumas triple cockpit Chris Craft runabout.

Doug Campbell displayed a wood model of a hydroplane engine. He markets laser cut Berlyn and Allison engine kits that he created. The kits are available in several scales: 1/16, 1/12, 1/10, 1/8.

With no further business, the meeting was adjourned for boating.

— Don Westley, Secretary

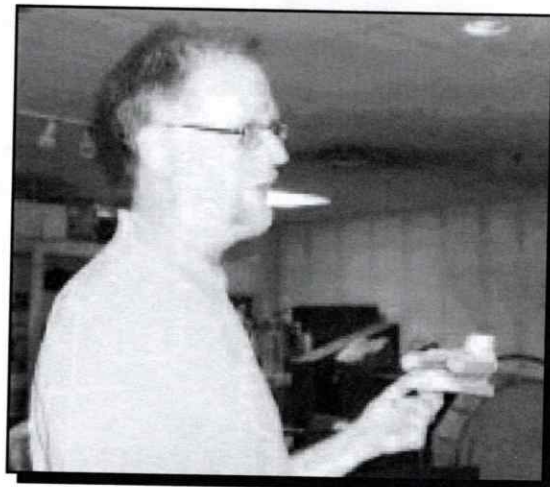
Sail&Scale Color Format Returns!

Thanks both to Dale Johnson for securing a new supply of color stock and to Al Bickford for finding an affordable printer, we can continue to provide the newsletter in the great color format originally designed by Dale and Doug Campbell.

Dale continues to offer constant backup and proofing for each issue of the newsletter - my sincere thanks to him. Al is running down the printing, labelling and mailing. Thank you, Al.

It's really great to see the color issues again after just one month of the black and white format.

June Pictures



EDINA MODEL YACHT CLUB

Sunday, Aug 10, 2008

At Sundown

Center Pond, Centennial Lakes Park,
7499 France Avenue Edina, MN 55435

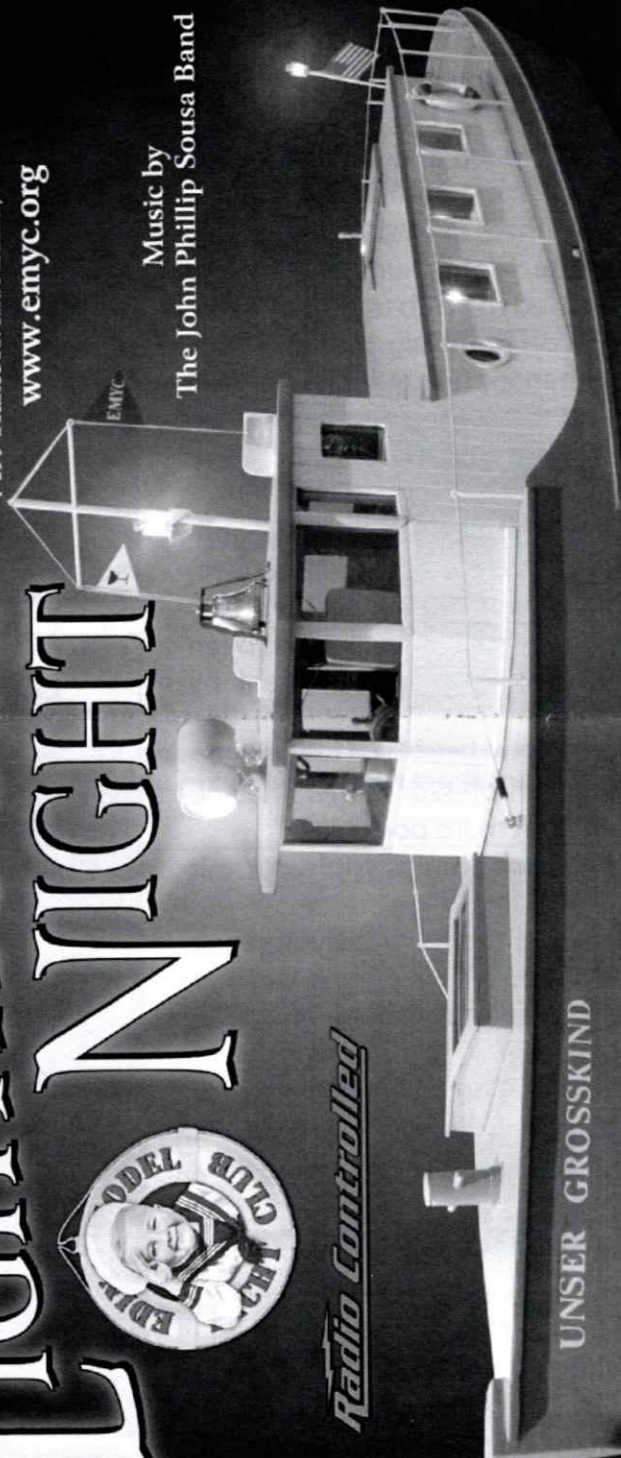
www.emyc.org

Music by
The John Phillip Sousa Band

LIGHTHOUSE NIGHT



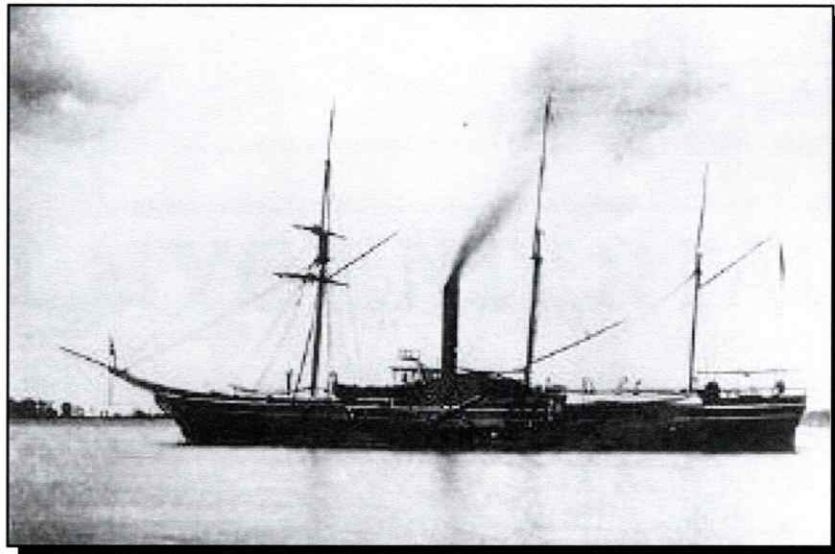
Radio Controlled



Lighthouse Night is a unique, one night event each year where boats from the Edina Model Yacht Club light up after dark. Interior cockpit and cabinlights, exterior position and navigation running lights, search lights, and flood lights all shine bright on a variety of model boats. The backdrop for our evening event is a floating and fully operational scaled model of an actual lighthouse. Come see all of the boats and join in on the fun.

UNSER GROSSKIND

NAUTICAL KNOW-IT-ALL RETURNS...



Wooden ships and iron men eventually gave way to iron ships and iron men.

The Navy transitioned to iron hulls with the authorization by Congress of the first iron ship in 1841. This warship was named after a state of the union and later renamed with the nickname of that state.

This side-wheeler was 163 feet long and displaced 685 tons, and was powered by a 170-horsepower, two-cylinder, steam engine. Without using sails, she was capable of making 8 knots. She was originally designed as a "three-mast, topsail schooner" with auxiliary steam power by naval constructor Samuel Hart; fabricated in parts at Pittsburgh, Pa., during the last half of 1842; and carried overland to Erie, Pa., for final assembly. When Hart attempted to launch this pioneer steam man-of-war on 5 December 1843, she slipped down the ways some 50 feet but halted and stuck before reaching water. Strenuous but fruitless efforts to free her were ended by darkness, and the shipwrights retired for the night. But upon returning to the shipyard before dawn the next morning, Hart found the ways empty. Some distance offshore, his creation floated easily in Lake Erie after launching herself in the night. She was commissioned on 29 September 1844.

What were the original and final names of this historic vessel?

The first correct answer submitted to the editor wins a souvenir piece of iron somewhat similar to that used in the above ship AND a set of four NiMH AA batteries!

SPECIAL THANKS

To all the members that contributed to this issue of the Sail & Scale.

Al Bickford, Dale Johnson, Reese Eaver, Al E. Gayter and Don Westley.

Items For Sale:

Fairwind. Price negotiable. Brian - [redacted]

Futaba Tx. Unused, batteries and two servos. Asking \$45. John - [redacted]

Wanted: 2009 Sail & Scale Editor

Fellow EMYC members, please consider taking on the role of editor of the newsletter for 2009. There are four more issues scheduled for this year, and you can start to get familiar with the process by helping a bit with those issues if you are interested.

Honestly, it is a commitment and does take significant time. This year has been enjoyable, but I really cannot take it on next year. Please give me a call if you might be interested or if you have any questions.

Thank you, — Dan Lewandowski

CLUB SHIRTS HATS ETC.

Contact: Douglas Person [redacted]

Club Burgees and Stickers

Contact: Mickey Kirihara [redacted]



EDINA MODEL YACHT CLUB

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JULY MEETING

TUESDAY, JULY 15, 2008 7:00 P.M.
CENTENNIAL LAKES GARAGE BAND ROOM

AGENDA:

- Discuss upcoming Lighthouse Night
- Show'n'Tell - Batteries, Chargers, Lighting and Special Effects

Special Interest Contacts:

Membership:

Ray Meifert [redacted] rmeifert@emyc.org

Scale Boating:

Tim Smalley [redacted] tsmalley@emyc.org

Sail Boating:

Tony Johnson [redacted] tjohnson@emyc.org

Fast Electric:

Dan Proulx [redacted] dproulx@emyc.org

2008 Board Members

- Commodore: Al Bickford [redacted]
 Vice Commodore: Ben Radenbaugh [redacted]
 Vice Commodore: Vern Grimes [redacted]
 Vice Commodore: Paul Olsen [redacted]
 Vice Commodore: Don Pearson [redacted]
 Secretary: Don Westley
 Treasurer: Mickey Kirihara

The **Edina Model Yacht Club Sail & Scale Newsletter** is published monthly except for December.

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Please send articles by email to:
dlewandowski@emyc.org
Deadline for articles to be considered for the Aug publication will be Friday, July 25, 2008.