

EDINA MODEL YACHT CLUB

SAIL & SCALE NEWSLETTER

SEPTEMBER 2003

VOLUME 12, NUMBER 9

REDWING RENDEZVOUS

Redwing Rendezvous

This year the Rendezvous featured the Higgins Boats. Thanks to everybody who suffered through the 95+ degree heat for 2 days to put on a good show for the club.

Congrats to the following trophy winners for 2003:

- Best Kit Built Boat: Ron Bongard - Vosper Torpedoe Boat.
- Best Scratch Built Boat - Jack Gilbertson - Paddle Wheel Steamer.
- People's Choice/Best Overall - Dick Wagner - Swiss Steam Launch.

And a BIG Thanks to the following hearty souls who braved the heat & humidity for 2 days:

John Bishop
Ron Bongard
Carl Bottemiller
Dave Bros
Kirk Brust
Doug Campbell
Ralph Darr
Jack Gilbertson
Dale Johnson
Chad Splettstoesz
Terry Splettstoesz
Dick Walker

The EMYC booth was a crowd pleaser, and members were kept busy responding to questions and promoting the hobby. -George Pfeifer

SCHEDULE OF CLUB EVENTS:

September 13-14 Sat & Sun 9:00 am
September 20 8:00 am
September 20-21 Sat & Sun 9:00 am

St. Louis Admirals Annual Scale Regatta - Tom O'Dell
SPECTacular Fast Electric Racing Event, South Pond Centennial Lakes - Andy Valentine
Fairwind National Regatta, North Pond Centennial Lakes - Terry Mackey

VOLUNTEERS NEEDED!

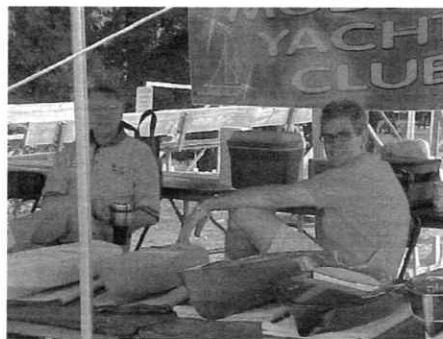
We need some kindhearted and fun loving souls to help out with the events the weekend of the Fairwind National Regatta and the Fast Electric race,

These events are the weekend of September 20th & 21st, Saturday and Sunday.

It is not easy to run an event with only one or two coordinators, so we need to get as many members to come out and participate.

All you need to do is show up at the ponds on the day(s) of the event and speak to either Tony Johnson (sail) or Andy Valentine (FE). If you can't find them, just ask around to see what help is needed.

So, mark your calendars and get ready to have some fun working the events.



Ron Bongard and Dale Johnson relax in the EMYC exhibit before the crowds hit Sunday at the 28th Annual Antique & Classic Boat Rendezvous.

COMMODORE'S CORNER

Well, there's not much to say this month. We've been having a great year for weather, not that the plants are enjoying the blue skies, though. We've had some well-attended events and some good times down at the old ponds.

We had a great turn-out at Lighthouse Night, which is one of my favorite events. Maybe next year we can create a big fire on the pond and douse it with our fire boats. Hey, how about an oil slick on fire? I'll have to have someone look into that.

This year has seen a ballooning of membership through the hard work of our sail crew, and I'd really like to commend them for such an outstanding job. The EMYC has been represented in almost every major sailing event this season, and I see the trend continuing.

I, as do most of you, have a sailboat myself. It was one of my first model boats, and holds a special place in my memory. Who knows, maybe someday I'll build one from scratch.

As you may know, we've had a sailboat rental operation going on in the central pond, and I for one would like to get some feedback to the troops on how that has been going. I also hope to try one of Tony Johnson's ice boats this winter. Maybe we can create a new branch of the club for them: *Fast Sail*.

Now that I've filled another column of text for the newsletter, it's time to sign off and run down to the pond before the snow shows up. - Mike

FAST ELECTRIC INFO

MCD Ultra Minicon

A BENCH & POND TEST OF THE CANADIAN MADE ELECTRONIC SPEED CONTROL FOR SCALE BOATS AND SHIPS.

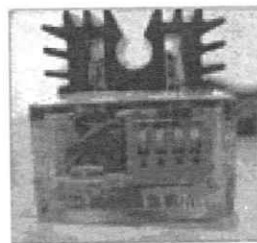
By John Louk

There's no denying the disappointment when your new scale model doesn't respond to your radio control in a realistic manner, perhaps jumping ahead or astern seemingly with a mind of its own. It shouldn't be; you did all the right things to ensure glitch-free operation. But, it may not be just glitching after all. It may be your throttle control or electronic speed control (ESC) isn't up to the task of fine control you want.



The MCD Ultra Minicon electronic speed control can give your scale model the control and realism you want. Shown above, it's not a huge chunk requiring a lot of room, measuring approximately two inches long by one and one-eighth inch wide and less than one and one half inches tall to the top of the heat sink. Yet it packs impressive features.

The speed control handles from 4.8 VDC to 20.0 VDC and is rated for 20 amperes with surges up to 100 amps! It's fully proportional forward and reverse, has high or low rate switching frequency for smooth control, a reversing switch to aid installation, a "slow priority" mode to give you fine slow speed control with full power at the end of stick travel, and can be easily calibrated to your radio transmitter's neutral stick and trim position! All that for under a hundred bucks list price!



A unique feature is the channel provided in the heat sink, shown below, which accepts a quarter inch brass tube covered with heat sink grease. Connected to a supply

cooling water, the added cooling helps maintain the ESC's cool when jacking around the models' control, generating a lot of heat. I must add "if needed". The heat sink itself does a great job if there's some modest air circulation within the hull. My tests didn't even make it warm.

The four toggle switches seen in the picture above control three pre-set functions and the programming enable function. They're labeled as shown below on the top of the case above the switches so you select the right one.

So how does it work? I obtained some units from Dan Sinstead of MCD for use in my PCF-16 model, the 1/16 inch = 1 foot scale model 37 inches long at 17 pounds weight I used two Ultra Minicon units, one for each screw.

My power plants are twin Graupner 05 electric motors, each driving 3:1 ratio gear reduction unit and a 50mm three blade Roebsh propeller. I purchased twin Sanyo 3000 mah NiMH .2 V battery packs one for each motor/throttle/screw. Tested at the Natatorium event last month, I ran the Swift for 26 minutes non-stop under perfect control and at scale speeds. I also wired up two 14.4 V packs but lacked the guts to try them indoors!

The throttles easily matched to my Robbe F-14 Navy transmitter. Like-wise, the reversing switch on the ESC allowed reversal of the port motor to match its LH screw.

I tried the slow priority setting and found slow speed priority motor control a real advantage for prototypical boat operation while maneuvering alongside a pier, for example. Yet I still had full power on command.

The high switching rate made the control even more exact but also made my motors "sing" somewhat. I didn't want that so I reverted back to the slow speed switching which is still better than any ESC I've used before. With other motors in my bin, the high speed switching mode doesn't sing. It's motor dependent.

I have several old MCD units which still perform as new. Long term reliability should not be an issue I'd say.

Conclusion: I own five different brand of ESCs in my scale fleet. With-out hesitation I highly recommend the Ultra Minicon. I've never used a better made, more full featured and superbly competent ESC unit. And yes, I paid for my three units. -John Louk

John Louk is the Indianapolis Admirals Newsletter Editor

MEETING NOTES - AUGUST

John Bishop gave a review of Lighthouse night which was well attended and was a fun night. Dale Johnson reported on the Redwing show that the club attended with several boats. 8 members volunteered on Saturday of the event and 5 volunteered on Sunday. Andy Valentine gave a preview of the fast electric event the SPECTacular which will be held on Saturday, September 20th. Seven classes of boats will race and the entry fee is \$5.00 per boat. There will be some racers attending from Wisconsin and Illinois. Volunteers are needed to help racers with lap counting and helping in general. Call Andy if you wish to volunteer. Terry Mackey gave a preview of the Fairwind Nationals which will be on the same weekend, Saturday and Sunday. There will be participants also from out of state. The fee is \$25.00 for the event and a fee to join the AMYA if a participant is not already a member. Tom Weigel had EMYC burgee bumper stickers for sale. The price is \$3.00 for one and \$5.00 for two. Call Tom if interested. An open discussion followed about model boating in general. -Doug Campbell

LIGHTHOUSE NIGHT



John Bishop setting up the Lighthouse



Bob Glass's boat rounding the Lighthouse



EDINA MODEL YACHT CLUB

Centennial Lakes Centrum
7499 France Avenue South
Edina, MN 55435
www.emyc.org

Edina Recycles

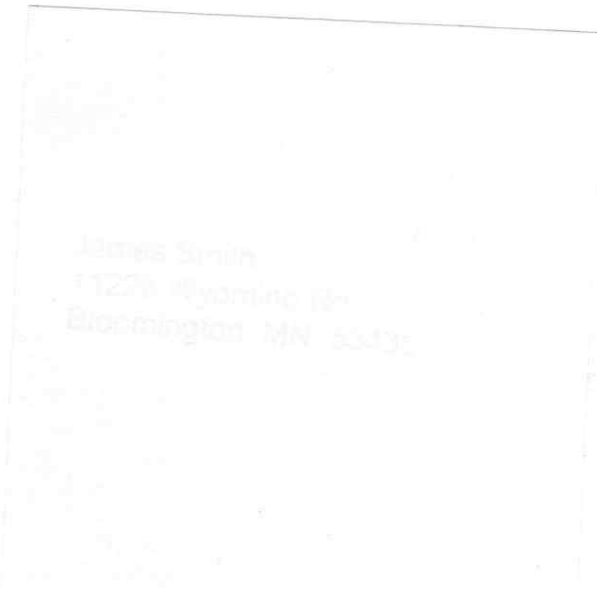


U.S. POSTAGE

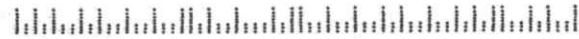
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SEPTEMBER MEETING:

TUESDAY, SEPTEMBER 16 - 7:00 P.M.

IN THE BAND ROOM

PREVIEW OF THE FAIRWIND NATIONAL REGATTA

EMYC in the national spotlight!

BRING YOUR BOAT TO THE MEETING!

Members ARE ALWAYS ENTERTAINED by seeing finished or unfinished nautical projects! So please bring your boat project to the meeting.

SPECIAL INTEREST CONTACTS:

Membership:

Dale Johnson [redacted]

Scale Boating:

Tim Smalley [redacted]

Sail Boat Racing:

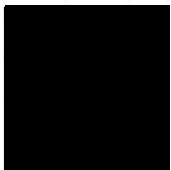
Tony Johnson [redacted]

Fast Electric Racing:

Andy Valentine [redacted]

2003 COMMODORE AND BOARD MEMBERS

Commodore:	Micheal Ross
Vice Commodore:	Gary Anderson
Vice Commodore:	Doug Campbell
Vice Commodore:	Neil Maldeis
Vice Commodore:	Doug Person



Newsletter Editor Doug Campbell



You can also send your articles/announcements for the newsletter by e-mail to [redacted]

2003 FE Spectacular

hosted by



Edina Model Yacht Club

Saturday, September 20th 8:00am ~ 5:00pm

Centennial lakes park, South pond

7499 France Avenue, Edina, MN

www.emyc.org

Race open to public: \$15/first boat then \$5/each entry. EMYC members \$5/each entry

3 rounds of racing in each of 7 classes. Points scored across each round for total points.

Awards given to top three finishers in each class. "Master of Plastic" trophy** to the high points winner across three SPEC classes using plastic hulls. Door prize drawing for registered racers in attendance.

Check the clubs website for further information or contact Andy Valentine via email

LS Mono**

any no step mono
19t spec motor
7.2v max
any drive or prop
4 lap race

P Mono

any no step mono
any motor, drive, prop
14.4v max
4 lap race

LS Offshore**

any 26" min mono or tunnel
Graupner 8.4v 700bb motor
14.4v max
any drive or prop
10 lap race

P Sport Hydro

any scale sport hydro hull
any motor, drive, prop
14.4v max
4 lap race

LS Hydro**

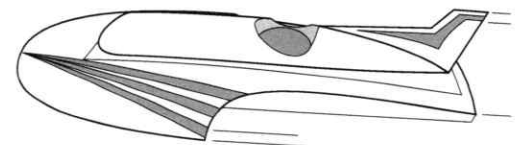
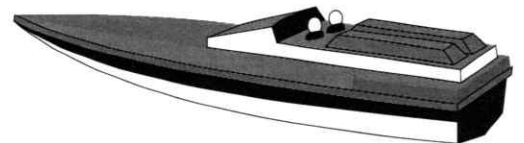
any scale sport hydro hull
700 sealed can motor
14.4v max
any drive or prop
10 lap race

N2 Mono

any no step mono
any motor, drive, prop
7.2v max
4 lap race

ZigZag

rtr kit boat
must run in stock form
no mods allowed except paint!
2 minute, lap count race



Sponsored by

Fuller's Fast Electrics



RC-Hydros.com



Notice of Race

September 20th

Hosted By: Edina Model Yacht Club, Edina, MN

Eligibility: Any paid entrant with boat conforming to one or more of these classes listed on previous page.

Tech inspection: Inspections may or may not be done at the discretion of the Course Director. Directors decisions final.

Schedule: Pre-registration will begin 08/06 and end 09/06. Registration mailed must be post marked on before the 6th. Late registrations will be held the morning of the event and closed at 9am. Open water Friday 09/19 from 6:00pm until 8:00pm. Open water the morning of the event from 8:00am until 9:00am. Drivers meeting and close of registration at 9:00am with races to begin at 9:30am. 1 hour lunch break after round one with races completed and award ceremony to begin around 4-5:00pm.

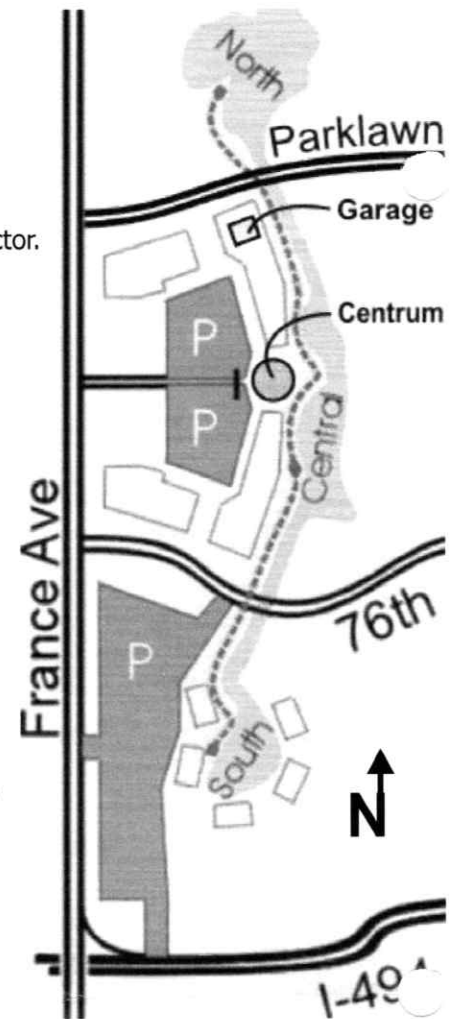
Format: 3 rounds of racing for each class. Points scored for each finish place and DNF. DNS scores no points. Buoy cuts score penalties, jumped starts must pass a penalty buoy. GPS Speed challenge entries to be determined at day of race and must use clubs Garmin Geko GPS to score Maximum and Average speed over 1 minute interval on the oval.

Frequencies: A frequency clip board will be maintained during the event. NO radios are to be used without the proper clip! Frequencies are first come first serve and reserved when payment is reserved. Late registrants be prepared to change frequencies as required.

Race Site: The race site will be at Centennial Lakes South Pond in Edina, Minnesota. Tables and chairs provided, powered outlets available. Depending on number of late entries, Tables and/or chairs may become limited. If you'll be registering the day of the event, please call in advance so proper number of tables can be obtained.

Prizes: Awards will be given to the top three finishers in each class. A "Master of Plastic" or High Points trophy awarded to the highest points finisher in the Limited Spec classes using plastic hulls. An overall high points trophy will also be given to the top finisher across all 7 classes. Awards and Door prizes to be handed out at days end.

There will be no appeal of CD's final decision in any regard.



OFFICIAL ENTRY FORM

ENTRY FEES: Non members \$15/first boat and \$5/each additional boat. Members pay \$5/each boat entered.

Make checks payable to "Edina Model Yacht Club"

Early registration DEADLINE: September 13th, 2003

SEND TO: Andy Valentine, Brown and Caldwell, [REDACTED]

----- Cut here & return section below -----

Name: _____ Phone: _____ Email: _____

Address: _____ State: ____ Zip: _____

Mark the classes you will participate in and include frequency desired.

____ LS Mono ____ LS Offshore ____ LS Hydro ____ N2 Mono ____ P Mono ____ P Sport Hydro ____ ZigZag

Total Fees Enclosed: \$ _____

I hereby release Edina Model Yacht Club and its officers, and the City of Edina from any and all liability for myself and my heirs in case of any injury or damage I may suffer while attending and/or participating in this event.

Name: _____

Signature: _____ Date: _____