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## SCALE BOAT REGATTA

*by Jeff McCabe*

Anyone interested in participating in an upcoming Scale Boat Regatta contact Jim Smith, Gary Phillips or myself. Also talk to us at the upcoming meeting. We are interested in finding out how many will want to participate in this event. Part of the regatta will be a precision steering course event among many other items of interest.

## FAIRWIND FLASH!

According to reliable hobby shop sources, your editor has discovered that the original Fairwind by Kyosho will be re-released soon. This is, of course, good news for the EMYC, because of the more affordable price of the original Fairwind and our use of it as the club racer. Fairwind II will apparently continued to be offered also.



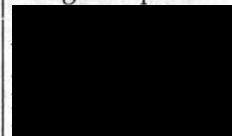
## CALENDAR OF EVENTS

### April 30

Deadlines for Articles, Classifieds, Ads for the May Newsletter

Mail to:

Doug Campbell



### April Club Meeting

Tuesday April 19, 7:00 P.M.  
Fireside Room of the Centrum  
Building at Centennial Lakes  
Park

### May 1, 5:00 P.M.

Free Sailing at the South Pond  
6:30 P.M. - Club Racer Race

### May Club Meeting

Tuesday May 17, 7:00 P.M.  
Fireside Room of the Centrum  
Building at Centennial Lakes  
Park

### June 12 Preliminary)

Parade of Boats

# UPDATE ON THE SERIES SAIL RACING SCHEDULE FOR 1994

*by Tony Johnson*

This years racing schedule is now finalized. The Racing series which was discussed in last month's newsletter will be used with a few changes. Instead of a 2 or 3 race series, we will be scoring races in a series for each calendar month. In other words, the races which are completed during a calendar month will be scored and reported as a series for that month. Each month we will begin a new series. EC-12 and Marblehead classes will not be participating in the monthly series program. Instead, these classes will have one major race each month with free sailing on all other scheduled days for practice or match racing.

The schedule will be published soon, and will be distributed at the park and in the newsletter.

The first Fairwind Race will be May 1, 1994 at 6:30 P.M. at the North Pond SEE YOU THERE!



# EDINA MODEL YACHT CLUB SIMPLIFIED RIGHT-OF-WAY RULES

*by Tony Johnson*

- 1) STARBOARD TACK: A boat on port tack always yields to a boat on starboard tack.
- 2) OVERTAKING RULE: When one boat overtakes a boat in front of it, the overtaking boat stays clear. The boat being overtaken has the right of way until the overtaking boat attains mast-a-beam with the overtaken boat.
- 3) LEEWARD BOAT: When two boats are running side-by-side, the boat to leeward has the right of way over the windward boat until it attains mast-a-beam at which time the leeward boat may force the windward boat to luff or tack.
- 4) TACKING RULE: A boat that is tacking or gybing always stays clear of boats that are sailing.

- 5) BUOY ROOM RULE: When two boats approach a mark, if the inside boat is overlapping the outside boat and is within four boat lengths of the mark, the outside boat yields and gives the inside boat adequate room to round the mark.

- 6) PENALTY RULE: When a boat is performing a penalty turn or a restarting, it never has the right of way.

Violation of any rule will be announced by the skipper of the boat which is affected by the violation to the skipper of the boat performing the violation.

The boat which violated the rule shall perform two 360 degree turns before rounding the next course marker.

Disagreements concerning rule violations shall be decided by the course judge during the race. Failure to comply with the decision of the judge shall result in disqualification from the heat. The disqualification shall be scored as a DNF.

# SCALE SPEED - OR, AS EINSTEIN WOULD SAY, "IT'S ALL A MATTER OF RELATIVITY"

by Jim Smith

It would be difficult for me to recall how many times I was asked back in the early years of the Boeing 747's operation, how it managed to fly so slowly? Truth was, it didn't. It's apparently slower speed was a function of "Scale Speed", if you will allow me a bit of poetic license here.

Consider an early 1970's version of the DC-9, flying at low altitude and a speed of 200 knots (230 MPH), and a then new 747 operating at the same speed.

The DC-9 traveled at a distance of its own length (104') in .29 seconds while the "whale" at 231', required .68 seconds to perform that same feat.

Hence, the 747 appeared to be taking much longer to cover the same distance (one airplane length) than the shorter machine did. It looked "slower".

The same factor applies to our scale boats.

Let's compare a 1:10 scale tug to its prototype. With the model ten feet away from your eye, and the full size vessel at 100 feet, both seem to be the same size. Now move the model across your field of vision a few feet. In order for the big boat to cover what appears to be the same distance, it must travel ten times

further than the model. That distance traveled is directly analogous to speed traveled.

So! It's really easy. If the full sized craft can make 20 knots (23 MPH), then a 1:10 model should move along at 2 knots, and a 1:24 model would be scale at .8 knots or about 1 MPH.

It is not difficult to compare model speed at our paved pond, since a briskly paced walk is close to 4 MPH an easy foot speed is more like 2 or 3. Just divide the speed of the prototype by the scale of the model, and you have the desired speed of your replica. We have it much better than the model aircraft flyers in this regard, since it is quite difficult to build a miniature airplane light enough to fly at a true scale speed. Since our only difficulty with excessive weight is sinking, if we build the boat light enough to float, it's quite easy to operate a scale speed.

I have read that in order to obtain a scale like wake, the full sized speed should be divided by the square root of the models scale. (Similar to the airplane drivers mentioned above). I don't know about that. Use whatever looks good when you take your models portrait.

Remember, one nautical mile is 6076 feet as opposed to 5280 in a statute mile. Therefore, you must add 15% to the knot figure in order to convert to miles per hour.

1 knot - 1.15 MPH.



## JAY LENO'S "11" BEST REASONS FOR NOT MARRYING A MODEL SAILOR

1. A real man or woman doesn't play with toy boats.
2. Polyester resin stinks up the whole house
3. Never around Tuesday nights.
4. Hangs out at jewelry supply outlets, but doesn't buy jewelry.
5. Waits for the racing schedule before setting family vacation dates.
6. Fixing the house always waits until the model boat is finished.
7. Interrupts sex because an idea just came up for going faster, and has to start on it now.
8. Reads weird newsletters.
9. Lots of weird little tools, and a silly optivisor worn like a hat.
10. Weird Friends.
11. Spends too much time discussing arcane rules.

*Thanks to the Greater Seattle Model Yacht Club Newsletter, Bob Wells Editor, for this bit of humor from their March 1994 issue. NOTE: More informative articles from that issue and future issues are promised by your editor.*

## EDINA MODEL YACHT CLUB BUDGET

Now that Bill and Hillary have decided to release their '77, '78, and '79 tax returns, we felt it was only fair to disclose the EMYC's financial standing. In short, our club is in a healthy position for another running season. We hope to once again prove to be productive and efficient club in 1994. Most of our expenses are directed toward general club activities as well as mailing and minor administrative costs. You will find a current breakdown of the financial activity in the following 2 pages. This information is available to any club member at any time. Any comments or questions can be directed to John Bishop, Secretary Treasurer, at 944-1947. The Edina Model Yacht Club is registered as a non-profit organization with both the State of Minnesota and the Internal Revenue Service, and is recognized by the city of Edina for its direct involvement with their local community and its residents. - John Bishop

<u>DATE</u>	<u>DESCRIPTION</u>	<u>DEBIT</u>	<u>CREDIT</u>	<u>BALANCE</u>
05-04-92	11 Memberships		220.00	220.00
05-22-92	5 Memberships, 1 Hat		80.00	300.00
05-22-92	Check Printing Charge	13.00		287.00
06-05-92	2 Memberships, 5 Hats		90.00	377.00
06-08-92	6 Memberships, Hats and Shirts		230.00	607.00
06-12-92	4 Memberships, Hats and Shirts		110.00	717.00
06-25-92	2 Memberships, 1 Hat		50.00	767.00
06-29-92	3 Memberships		60.00	827.00
06-30-92	1 Membership Check NSF	30.00		797.00
06-30-92	1 Check NSF Service Charge	3.50		793.50
07-06-92	2 Memberships		40.00	833.50
07-20-92	4 Memberships, 1 Hat		90.00	923.50
07-22-92	2 Memberships		40.00	963.50
07-24-92	Check Endorsing Stamp Ink Pad	5.25		958.25
07-24-92	Check Endorsing Stamp	14.63		943.62
08-03-92	1 Membership		20.00	963.62
08-07-92	1 Membership		20.00	983.62
08-14-92	2 Memberships		40.00	1023.62
08-17-92	1 Membership		20.00	1043.62
08-27-92	#1001 Secretary of State	70.00		973.62
09-08-92	Fast Poto Boat Sponsorship		50.00	1023.62
09-15-92	1 Membership		20.00	1043.62
09-18-92	1 Membership		20.00	1063.62
09-25-92	1 Hat		10.00	1073.62
10-27-92	1 Membership		20.00	1093.62
11-13-92	#1002 John Bishop	48.86		1044.76
01-07-93	#1003 Best Copy	37.77		1006.99
04-26-93	#1004 Ralph Peter	63.01		943.98
04-26-93	#1005 John Bishop	88.74		855.24
05-03-93	#1006 Kokesh	127.27		727.97
05-19-93	19 Memberships		380.00	1107.97
05-26-93	#1007 Jim Smith	10.00		1097.97
05-27-93	#1008 MN Gambling Control Board	25.00		1072.97
05-26-93	Service Charge	.70		1072.27
06-11-93	15 Memberships, Shirts, Hats		419.00	1491.27
06-04-93	#1009 John Bishop	57.98		1433.29
06-11-93	#1010 Pinnacle Signs and Graphics	102.24		1331.05
07-09-93	6 Memberships, 2 Hats		124.00	1455.05
07-09-93	\$25 reimbursement for Gambling Fee		25.00	1480.05
07-21-93	#1011 John Bishop	19.76		1460.29
08-17-93	6 Memberships, 2 Hats, 1 Shirt		141.00	1601.29
09-14-93	5 Memberships		90.00	1691.29
09-15-93	\$20.00 Check returned for NSF	20.00		1671.29
09-27-93	#1012 Raplh Peter	143.81		1527.48
10-11-93	#1013 John Bishop	65.12		1462.36
10-11-93	Two Guys from Italy boat sponsorship		50.00	1512.36

<u>DATE</u>	<u>DESCRIPTION</u>	<u>DEBIT</u>	<u>CREDIT</u>	<u>BALANCE</u>
10-12-93	#1014 Alpha Graphics	15.98		1496.38
10-13-93	#1015 Internal Revenue Service	150.00		1346.38
10-16-93	2 Memberships		40.00	1386.38
10-16-93	#1016 Cub Foods	118.79		1267.59
10-16-93	#1017 Byerly's	193.55		1074.04
10-16-93	#1018 Office Max	10.79		1063.25
10-18-93	Dry Dock Party Deposit		303.00	1366.25
11-16-93	#1019 Jim Smith	45.58		1320.67
01-20-94	#1021 Jim Smith	40.95		1279.72
01-20-94	#1022 Office Max	9.57		1270.15
01-20-94	#1023 Computer City	7.44		1262.71

### Itemization of Expenses

05-22-92	150 Edina Model Yacht Club checks printed in conjunction with opening of account
06-30-92	30.00 Membership check returned for NSF, later recollected 30.00 from club member
06-30-92	3.50 bank service charge for return of NSF check, club member not assessed fee
07-24-92	5.25 check endorsing stamp ink pad expenditure
07-24-92	14.63 check endorsing stamp expenditure
08-27-92	70.00 fee paid to Secretary of State (#1001) to legally register EMYC articles of incorp.
11-13-92	48.86 reimbursed to John Bishop(#1002); 34.24 for printing of membership cards, 14.62 for prints made from slides for Kopeschka family from St. Louis 1992 boat show.
01-07-93	37.77 paid to Best Copy (#1003) for printing of January 1993 newsletter
04-26-93	63.01 reimbursed to Ralph Peter (#1004); various cost associated with 92 regatta-printing and mailing charges, paint for water buoys, materials for signs and record boards
04-26-93	88.74 reimbursed to John Bishop(#1005); 27.61 for 1993 calendar printing cost, 6.68 for 1993 envelopes for calendar mailing, 52.71 for 1993 Parade of Model Boats printing, 1.74 for stamps
05-03-93	127.27 paid to Kokesh(#1006) to 10 teather balls used for marker buoys
05-26-93	10.00 reimbursed to Jim Smith(#1007) for postage associated in writing to companies for Parade of Boats 1993 product donations
05-27-93	25.00 paid to MN Gambling Control Board(#1008) to authorize Centennial to donate free trip during splash event
05-26-93	.70 service charge
06-04-93	57.98 reimbursed to John Bishop (#1009) for 2 sets of crystals, and printing for additional flyers for Parade of Model Boats show
06-11-93	102.24 paid to Pinnacle Signs and Graphics (#1010) for the printing of scoreboard to be used for racing results during Regatta events
07-21-93	19.76 reimbursed to John Bishop (#1011) for newsletter printing charges
09-15-93	20.00 membership check reimbursed for NSF-Check will be rewritten
09-27-93	143.81 reimbursement to Ralph Peter (#1012) for tape recorder, regatta supplies, printed sailing rules and information
10-11-93	65.12 reimbursement to John Bishop (#1013) for newsletter printing, and copies of EMYC general information sheets
10-12-93	15.98 paid to Alpha Graphics (#1014) for return address stamp
10-13-93	150.00 paid to Internal Revenue Service (#1015) for 501c(7) application fee
10-16-93	118.79 paid to Cub Foods (#1016) for Dry Dock Food
10-16-93	193.55 paid to Byerly's (#1017) for Dry Dock Food
10-16-93	10.79 paid to Office Max (#1018) for name tags and #10 business envelopes
11-16-93	45.58 reimbursed to Jim Smith (#1019) for November '93 newsletter printing and mailing costs Check #1020 was voided
01-20-94	40.95 reimbursed to Jim Smith (#1021) for January '94 newsletter printing and mailing costs
01-20-94	9.57 paid to Office Max (#1022) for file folders
01-20-94	7.44 paid to Computer City (#1023) for address labels used in newsletter mailings

# EMYC MARKETING

*by Ralph Peter*

With the Board of Directors approval, the 1994 Marketing program is moving "full steam ahead". The program is organized in four parts that targets the four specific areas of; Newsletter advertisers, the general public, senior citizens, and the physically challenged. The overall objective to market the club is two fold. First, to enrich the club's knowledge base by adding new members, and secondly, to ensure the club's financial security with the increased membership and revenues generated from the Newsletter advertisers.

The first of the four part program is nearly complete. An information packet about the EMYC has been distributed to sixteen area hobby stores, and local Centennial Lakes businesses. From each business, an annual donation of \$120 was requested for a business card size advertisement that will appear in each of the twelve monthly Newsletter issues. If the goal of retaining eight advertisers is met, an additional \$960 in revenue will be generated for the club. The sign up of advertisers will be completed by April 23 and the ads will start appearing in the May Newsletter. As of this writing, two advertisers have signed up and one has declined.

The second part of the program is well underway. Plans call for up to twenty 11 by 17 inch color posters, with a business card holder, be distributed at the area's hobby stores, local business, office buildings, parks, and any place else that is dignified and is not detrimental to the image of the EMYC. Distribution of the Posters is expected to begin by April 15. Three to four hundred Flyers advertising the EMYC Parade of Model Boats will be distributed publicly starting the end of May. A Parade of Boats banner will be displayed outside of the Centrum building for about two weeks prior to the boat show. A press release announcing the boat show will be distributed to the various print, radio, and television media. For the television media, a five minute video tape showing on the water boating will be included in the media information packet. Good Company, the local afternoon television program, will be contacted for a possible promotional spot.

In the third part of the program, area retirement communities, parks, and senior citizen centers will be contacted to invite the senior citizens to come to Centennial Lakes and watch the boating or join the club. This year, an additional day has been added to the boating schedule. Wednesday afternoon at 1:00 PM has been set aside for seniors or anyone that has a free afternoon for boating and socializing.

Last but certainly not least, a special effort will be made to include the physically challenged in the EMYC. Three years ago when I first started sailing at Centennial Lakes I had an opportunity to meet some people that were confined to a wheelchair. It made a great impression on me to see the enjoyment they got from using my boat. The EMYC will be working with the Sister Kenny Institute, the City of Edina, and other community centers to get the word out about our club.

For the accountants in the club, the Board has appropriated \$200 to finance this years Marketing program. At \$20 per new membership the break even point is ten new members. The small Posters in four hobby stores have already add three new members. Throughout the year I will monitor the number of business cards taken from each Poster, and where people first learned about the EMYC. Periodically I will publish the statistics in the Newsletter, and at the end of the year the Board will review the results to determine next years marketing strategy.

In closing, and I bet you thought this article would never end, please call me with your ideas and comments. Also, I could use some help. Hope to see you at the pond soon, and for the record, Tony was the first with a boat in the water this year. He beat me by about 5 minutes, but I was sailing in November so I think I was the last one out in 1993.

# SUPERIOR SAILING

by Ralph Peter

As of the first of April, including myself, three people have confirmed for the Isle Royal trip, two for either Isle Royal or the Apostle Islands, two maybe and one confirmed (me again) for the Apostle Islands.

The Apostle Island fleet sail is planned much like last year, driving to Bayfield Monday afternoon and sailing Tuesday, Wednesday, and Thursday. This year one of the boats would be dedicated for those that would like less sailing and more exploring on the islands. The six day Isle Royal trip is planned for the hard core sailors that are interested in the adventure of open water and night sailing on Lake Superior. In addition to the sailing experience, Isle Royal has some very interesting geology that is best

seen from the water. The north end of the island is completely different from the south end.

Arrangements with the charter company need to be made soon, so please call me at [REDACTED] for more information or to sign aboard.

## BECOME A MEMBER OF THE EDINA MODEL YACHT CLUB

The Edina Model Yacht Club promotes the hobby of Radio Controlled sail and electric powered model boats by providing a vehicle for the fellowship of model boaters and a body of water with facilities that promote the growth of the hobby. Membership is open to anyone interested in RC sail or electric model boating. Two levels of membership are ;Youth Member at \$10.00 a year, and Adult Member at \$20.00 a year.

CUT ALONG LINE AND MAIL

### MEMBERSHIP REGISTRATION

EDINA MODEL YACHT CLUB, 7499 FRANCE AVE. SO., EDINA MN 55435  
(Please make check payable to: Edina Model Yacht Club)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

Please Check One:    Adult Member \$20.00    Youth Membership \$10.00    3 Month Mailing List

Type of Model Boats You Own:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Manufacturer of Radio: \_\_\_\_\_ Channel: \_\_\_\_\_ Model and Band of Radio (AM or FM): \_\_\_\_\_

Number of Channels / Servos: \_\_\_\_\_ Frquency: \_\_\_\_\_

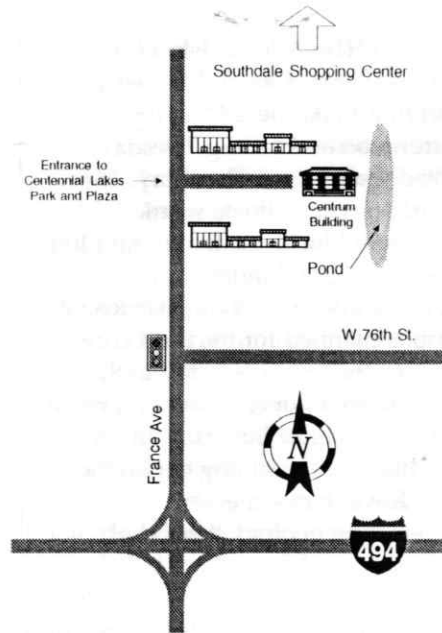
# APRIL MEETING NOTICE:

TUESDAY, APRIL 19,  
7:00 P.M

THE FIRESIDE ROOM IN THE  
CENTENNIAL LAKES CENTRUM  
BUILDING (SEE MAP)

ANYONE INTERESTED IN THE  
EDINA MODEL YACHT CLUB IS  
WELCOME TO ATTEND OUR NEXT  
CLUB MEETING.

FOR INFORMATION, CALL:  
[REDACTED]



**RADIO CONTROLLED  
WIND POWERED SAILBOATS  
ELECTRIC POWERED SCALE BOATS**

Steve Rusk - Commodore

Tony Johnson - Rear Commodore

Ralph Peter - Vice Commodore/ Marketing  
[REDACTED]

Jim Smith - Vice Commodore/ Scale

John Bishop - Secretary/Treasurer

Doug Campbell - Newsletter Editor  
[REDACTED]

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