

EDINA MODEL YACHT CLUB

SAIL & SCALE NEWSLETTER

MARCH 2004

VOLUME 13, NUMBER 3

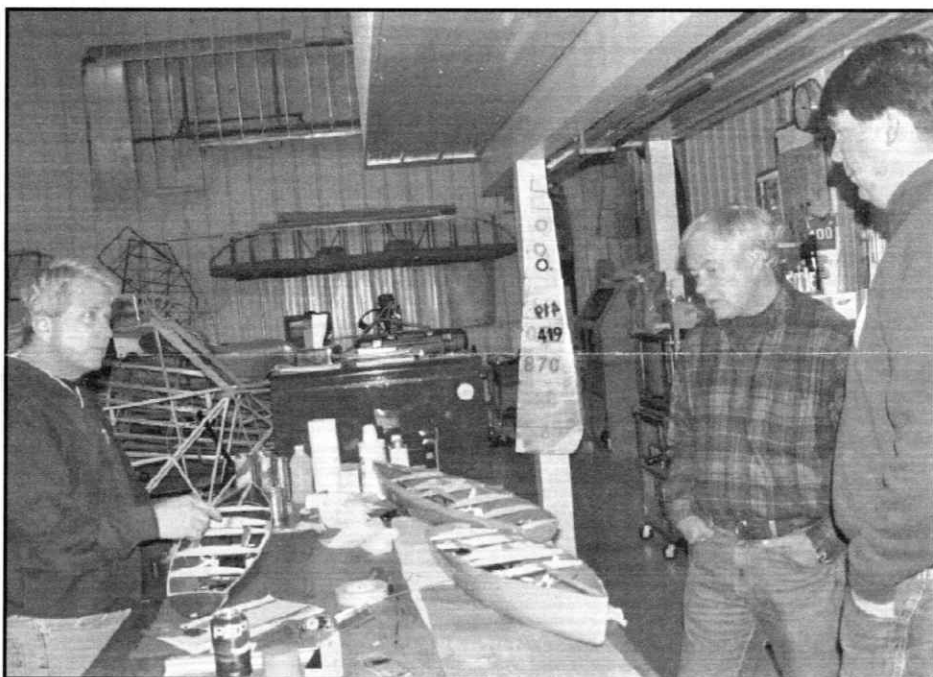
EMYC ODOM CLASS BUILDS

The first ODOMs in this new EMYC fleet are now built, ready for some sailing action. The boats arrived in kit form last December and were assembled by their new owners during several construction meetings this winter in Craig Young's hanger.

EMYC ODOM skippers are Larry Wheeler, John Dodson, Craig Young, Terry Mackey, Fred Ferris, Judd Morgan, Tony Johnson and Bob Hollenzer.

The ODOM (One-Design One Meter) is a one-design sloop-rigged boat which offers some choices in sail manufacturers, servos, and small variations in rigging parts. The skipper makes these choices during the ordering process. George Ribeiro Products in Watsonville, California produces the boats. They may be purchased as a kit or in various stages of completion. The Ribeiro web site address is: www.modelyachting.com.

The new ODOM fleet will also coordinate and host the ODOM Nationals through EMYC on the



Terry Mackey, Tony Johnson and Craig Young discuss an important step.

North Pond September 18 and 19.

Anyone interested is invited to try an ODOM and join the fleet. Regular ODOM racing and cruising sessions will start as soon as the North Pond is ready this spring. Contact Judd Morgan [REDACTED] or Craig Young [REDACTED] for more information.

—Tom Weigel

SCHEDULE OF EVENTS:

March 12-14, Thurs-Sun 6:30 p.m. RC Laser Midwinter East Coast Championships
March 16, Tues 7:00-9:00 p.m. Membership Meeting

COMMODORE'S CORNER



The water's getting softer every day so we'd better get going on our unfinished projects.

I have received a number of phone

calls concerning pool sailing, sailing classes, rental boats, and laser sailing on the North Pond. The pool sailing, sailing classes and rental boats have an easy answer: none of these is sponsored by the Edina Model Yacht Club and the Club has no involvement in any of them. The money collected for these three programs is under the control of Bill Coppage/Sailing Enterprises and Tom Weigel.

Laser sailing on the North Pond is sanctioned by the EMYC, therefore, any money collected must go through the Club so accurate accounting can be maintained. The Edina Model Yacht Club is an incorporated non-profit organization set up by the City of Edina for model boating recreation. The City of Edina also wrote bylaws which the Club ratified and which are in force today. We must stay within these guidelines to maintain a good working relationship with the city and the park board.

—Paul Olsen



IN MEMORY

Darr Ralph Martin Darr, age 69, of Minnetonka, passed away peacefully among

family on February 21, 2004, after a brave struggle against cancer.

—Minneapolis Star Tribune 2/23 - 2/25/2004.

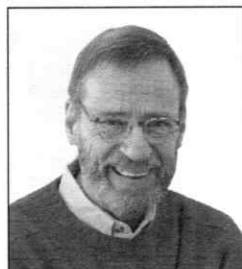
BOOK REVIEW

I saw the movie "Master and Commander". It was a great movie. The plot was very familiar. I checked my book collection. I found it! A 1990 Norton paperback, "Master and Commander". The author is Patrick O'Brien. It is written in the style of English used in the Napoleonic period of Nelson's Navy. It took me two chapters to get the swing of English- English in the eighteenth century of the Royal Navy. This is the first of a splendid series of Captain Aubrey of the Royal Navy. A great movie from a wonderful book!

I have just finished reading "Dangerous Water". A book on modern day piracy and terror on the high seas! The author is a professional seaman and journalist. Published by the Dutton Penguin group in 2002. I will read it again. It has information that is not available in any media that I have seen or read. The author is John S. Burnett.

The young mercenaries, armed with machetes, assault rifles and grenade launchers depart from safe harbors in high speed boats in search of super tankers, cargo ships, cruise liners, etc. Entire ships, cargo, and crews simply vanish. I found it a very

Continued on page 9—



EDINA MODEL YACHT CLUB

Your contact for Yacht Club "Logo Gear"

is

Doug Person

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

Some clothing examples include: Polo and Chambrarty Denim shirts... Sweatshirts, Jackets, Caps, Vests, or your own shirt or jacket, etc. Embroidery options include our club logo and/or burgee with your name, boat name, number, etc.

Typical costs range from about \$28.00 to \$33.00 (of course, price will depend upon the garment choice and amount of embroidery you choose)

Fly your colors...EMYC!!

2003 LASER NATIONALS



Fred Ferris' 671, Second From Right, Breaks Away for a Perfect Start!

OCTOBER 3, 4 & 5, 2003 SEQUOIA MODEL YACHT CLUB REDWOOD CITY, CALIFORNIA

SKIPPER: FRED FERRIS

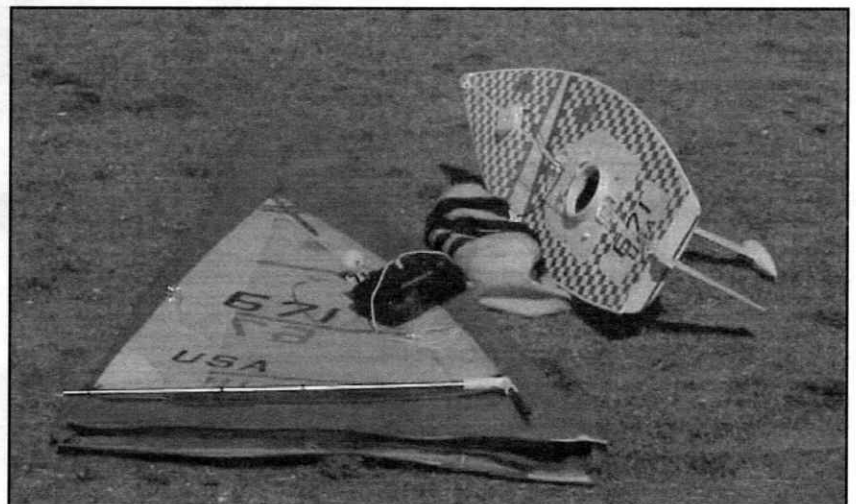
Being a Laser sailor since April 2001 and having competed in the 2001 Nationals at New London, Connecticut and the 2002 Nationals at Edina, I wanted to participate in the 2003 Nationals at Redwood City. Redwood City is located on San Francisco Bay about 25 miles south of San Francisco. I elected to drive to this regatta so that I could take my spare Lasers and my Half Meter class boat.

I departed Burnsville early in the morning of Wednesday October 1st, I stopped for gas in Lincoln Nebraska and Laramie Wyoming. I stopped for the night at Rock Springs, Wyoming after driving 1141 miles

Thursday morning, October 2nd, I left Rock Springs, Wyoming and headed west. I stopped for gas in Salt Lake City and Sparks

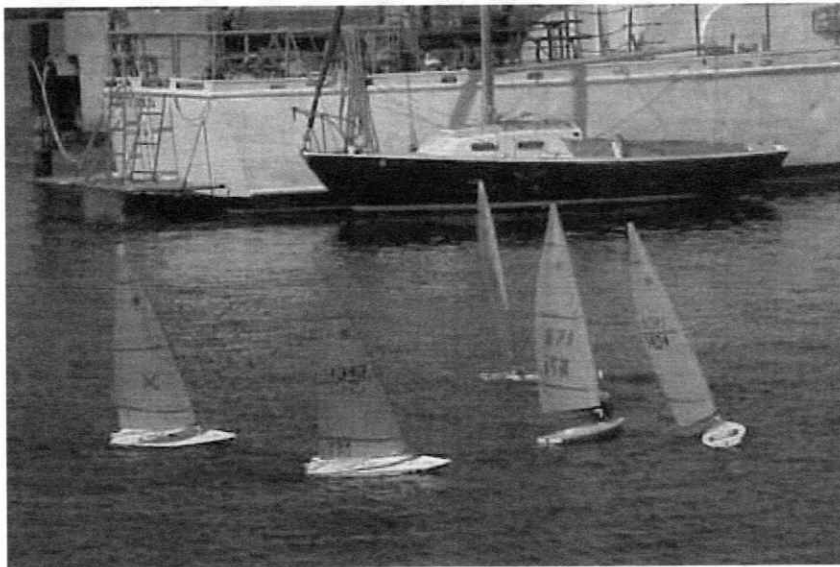
Nevada. I stopped for the night just short of the San Francisco Bay area at Dixon California. I only drove 869 miles this day.

Friday morning, October 3rd, I purchased some gas and headed for the bay area. I arrived in Redwood City about 9:45 AM, found the motel and checked in. I drove out to Sequoia MYC and found a few of the members present. Later in the afternoon, weigh in and measuring got underway and then some of the skippers elected to do some sailing off of the yacht club deck. The launching poles were 10 feet long and you let your boat down to the water from the deck. The regatta would be sailed at a different location where you could actually put your boat in the water from a floating pier. Jon Elmaleh, the current Laser Champion, gave a go-fast seminar for those who were interested. That evening they had an Octoberfest Dinner at the yacht club.



Boat At Rest!: Fred's RC Laser 671 Perfectly Organized, Ready For Action!

Saturday morning October 4th, dawned clear with light winds out of the NE. The yacht club put on a breakfast prior to the skippers meeting. The sailing venue was 1.5 miles from the



Fred Ferris' 671 Taking Inside Room at the Windward Mark!

yacht club so we all drove to the site and got ready to sail. I finished 5, 6, 4 in the first three heats. Not good! After lunch, provided by the yacht club, I continued my poor performance with finishes of 8, 9 and a 5th. At this point I had a few minutes to assess what I was doing wrong and I tried to correct my performance. The next heat I finished first. That ended the first day of sailing. The yacht club again put on a first class dinner for the sailors and guests.

Sunday, October 5, another perfect day for sailing. Breakfast at the yacht club then back to the regatta site for day two. We broke for lunch and finished the day by 3:30 pm. My finishes for Sunday were 3, 4, 1, 4, 1, 3. Considerably better than Saturday. I ended up with 37 points for a fifth place. The awards ceremony was at the yacht club where I gave them my EMYC burgee for their collection. Complete results can be seen at the Sequoia MYC web site.

Monday, October 6th, I left Redwood City and drove to Watsonville on an errand that I was not able to complete. I drove back to Redwood City

then on up the Peninsula towards San Francisco. I went to Spreckles Lake in Golden Gate Park with the intention of sailing my Half Meter. There was no wind and the fog was thick. I took a few pictures, of the pond, and at 12:00 noon I headed east toward home. I stopped in Dixon California. for gas. I stopped in Elko Nevada for the night

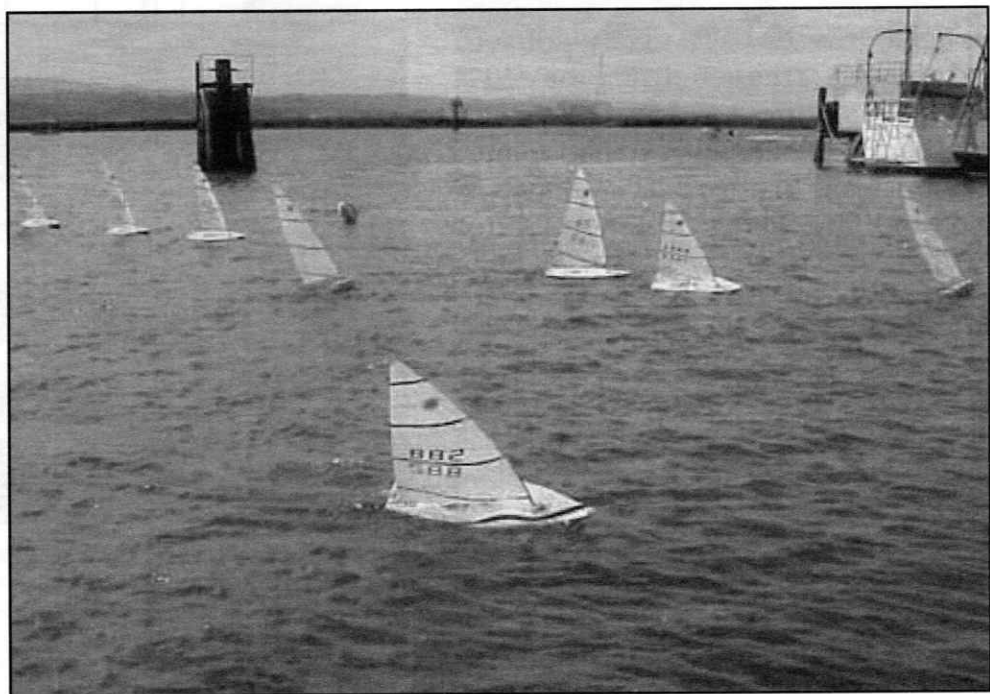
Tuesday, October 7th, after taking on gas I got away late from Elko. Stopped in Rawlins Wyoming for the night after a mere 525 miles.

Wednesday, October 8th, took on gas in Rawlins and headed east. Stopped for gas in Lincoln Nebraska and drove to Burnsville. This days travel was 1028 mi.

I was gone a week and a day, the now famous 'Boat Box' traveled 4416 miles and burned 240 gallons of fuel.

The 'Boat Box' will be heading to Florida in March for the Laser Mid-Winters.

—Fred Ferris



Fleet Spreads Out on Another Long Beat to Windward Mark; Background is a Portion of San Francisco Bay Area

AT THE FEBRUARY MEETING

FEBRUARY 17, 2004

Commodore, Paul Olsen called the meeting to order at 7:00 PM

Commodore introduced Bill Coppage who announced that he will have two Laser sailboats to rent to any members who would like to join the Sunday evening indoor sailing at Edinborough Park's pool. Ten dollars per hour. Bill announced that the national distributor of the Laser has reduced the boat's price by twenty dollars and that the distributor is now picking up the shipping cost...about another twenty dollar saving.



February 17, 2004 forty five members in attendance

Commodore mentioned that the 2004 board of directors had met twice for about 2 1/2 hours at his home to formulate plans for the year. Members are welcome to attend (call a board member for place and time). Members attending will have very limited time for input. These are primarily board meetings.

Parade of Boats will place a strong emphasis on operating boats this year. Spectators seem most interested on seeing the boats in action. Paul will have sign up sheets at the March meeting for the various Parade duties.

Tim Smalley asked for reaction to his email messages announcing monthly meetings. Very positive response.

Commodore mentioned the problems caused by individual members or groups of members who schedule events without the Board's knowledge. Paul stressed that all future events must be run by the board or be subject to cancellation.

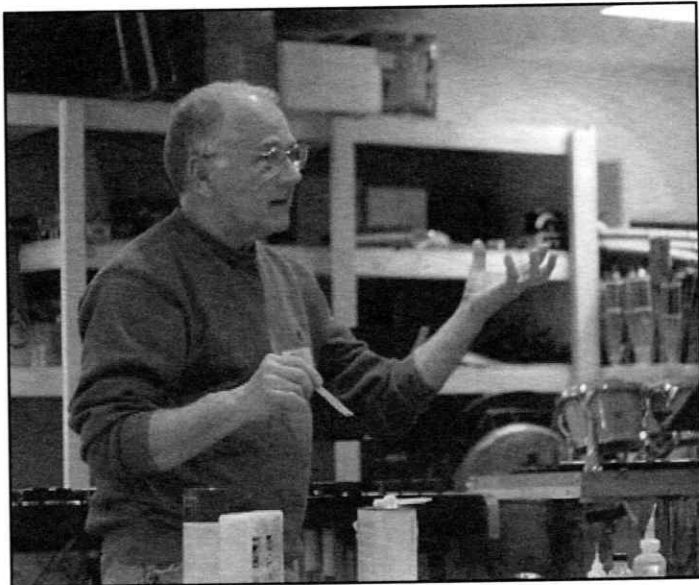
Alex Raupp reported on the Waconia ice-boat and indoor boating event on February 7th. He remarked that it was poorly attended and he wondered if we might not be invited back next year as a result. Paul felt that we needed a "point-man" to head up the event if we do participate in '05. The club received a

gift of \$100 from the organizers of the event.

Erwin Stephenson showed his copy of the book, "Maritime Museums of North America" and gave a list of museums to the commodore. Jim Smith announced that the complete list, by state, is on their web site: <http://www.maritimemuseums.net> Erwin also said that he still has quite a few English boat kits for sail. He joked that he "would not live long enough" to build 'em all.

John Schermeister made note of Laser Lizard, a source of laser cut wooden parts. Thin woods, up to 1/8" lite ply can be cut to your dimensions. Maximum sized sheet is 12" x 20". Priced at about \$45 - 60 for three sheets See: <http://www.laserlizard.com/>. John also showed a voltage reducing unit available from Light Beat that allows low voltage bulbs to be operated from a boat's normally higher voltage power battery. This unit is virtually identical to the battery eliminator circuit that many boaters use.

Terry Mackey renewed his plea for someone to assume the job of fleet captain for the Fairwind sailboat for the upcoming season. He also noted that the Fairwind Nationals, last year garnered a rebate from the AMYA of \$120. After all expenses were calculated, the EMYC's treasury was increased by \$83.91.



Dave Bros shares some of his knowledge and experience with club members.

The ODOM Nationals, previously set for September 18th and 19th are currently on hold, awaiting a more acceptable date. Coordination between the boat's distributor, the EMYC and Centennial Lakes management is under way. Fred Ferris proclaimed that there was no intention of going around the board when the date was set. Fred suggested that the sailing group would submit future requests to the board...in writing. He requested a written reply, as well. He felt a request (and reply) for the use either or both retrieval boats, permission to solicit merchandise and prizes, etc. would be nice to have in writing. He also suggested that one of the organizers attend a board meeting to present specifics to board members.

Tony Johnson agreed to hold a sailboat tuning session before the start of the racing season.

Terry Mackey was recognized for the history of the EMYC that he wrote for Model Yachting, the AMYA newsletter.

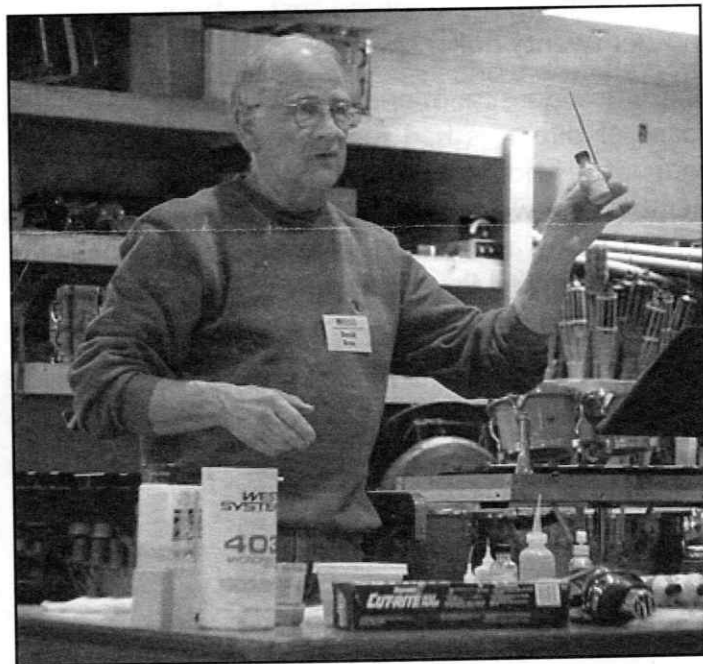
John Dodson commented on Tony Johnson's article on types of model sailboats. He wished that it would be reprinted in the club newsletter for the benefit of those who have not seen it.

Commodore handed out copies of pond rules that were written years ago and asked all members

to read and comment on them. He hopes to have a simplified set of rules to distribute to members... but, primarily to those non-members who frequently operate during club hours.

Dale Johnson and Tim Smalley recently met with Andy Valentine and were briefed on the ins and outs of updating and editing the club web site. They plan on making needed changes in the near future, and keeping the site current.

Tony Johnson noted that several members will soon be heading to Marco Island, Florida to attend a Laser competition. Tony will depart for the Nevada, California border to defend his IRCSSA, International Radio Control Surface Sailing Association title. See: IRCSSA.org.



Dave Bros managed to make this presentation fresh and interesting. Notice the glue on his shirt.

Commodore Olsen displayed Dale Johnson's 2004 edition of color posters for the Parade of Boats and Lighthouse Night. (Round of applause)

Meeting Adjourned at 7:45 PM

Dave Bros gave a fifty minute presentation on the various glues and adhesives used in the construction of RC boats.

—Jim Smith

WIRE GAGE VS. CURRENT CARRYING CAPACITY:



Last summer after listening to a member tell how the wiring in his boat performed perfectly as a fuse instead of its intended purpose, I thought that the potential existed for others to

have the same experience. It is hoped that the following information will be of use.

Current is the movement of electrons. Most of the time this movement is not seen but the result is. Flick a switch, electrons move through a circuit; heat up a filament and just that quick, a one hundred-watt bulb is lighting up the room. Electrons are much too small to be seen with the naked eye but when they are together in large quantities they are visible. Get a shock touching a doorknob, that little spark you saw was a bunch of electrons. A bolt of lightning is the same thing but on a much larger scale.

In any circuit it is good to know the rate at which the electrons are flowing through the wires. The Ampere (Amp for short) is the unit of measurement used when referring to the magnitude of this rate and is represented by the following symbol: "I." The electron flow or current flow, through a circuit, can be obtained directly from information that comes with a component that is going into the circuit (such as a motor), or if the circuit is more complicated, the I current can be calculated.

Burned wiring is the result of the wiring being too small to handle the amount of current that the circuit is drawing from the battery. This usually happens for one of two reasons: the first being not knowing the relationship between wire gage vs. current carrying capacity. The second, a defective component, which can cause excess current to be drawn from the battery, and if the wiring is marginal it will burn up before the defective component.

Electric current is readily conducted by wire but in a wire there is also an opposition to electric current; that opposition is called resistance. The unit of measurement of resistance is the Ohm and is represented by the following symbol: " Ω " The smaller the diameter of a wire the more resistance to current flow. As far as the wiring of a radio controlled model is concerned, if the wiring is of a gage larger than what is required for the current that is passing through it, then for all practical purposes the resistance of the wiring is negligible.

Wire gage refers to the size (diameter) of the wire; the insulation is not included in this measurement. The larger the numbers of the wire gage the smaller the size of the wire. For example, the diameter of thirty gage wire (.010") is a lot smaller than the diameter of ten-gage (.102") wire.

The resistance of a wire will cause heat to be generated as current flows through it. If the current carrying capacity of the wire is more than adequate for the amount of current, the heat being generated is not noticed because the wire is large enough to dissipate the heat. When the size of a wire is just adequate for the current, heat dissipation is at the limit for the size of the wire, resulting in the insulation becoming soft and feeling warm to the touch. Needless to say, if the wire gage is substantially inadequate, the heat generated by the current flow will increase until the temperature of the wire reaches the melting point of copper and one or any combination of the following will be observed: the smell of overheated or burnt insulation, smoke, or even fire.

—Gregory Hopwood *Sail & Scale* May 2001

A Guide to Selecting Wire Gage

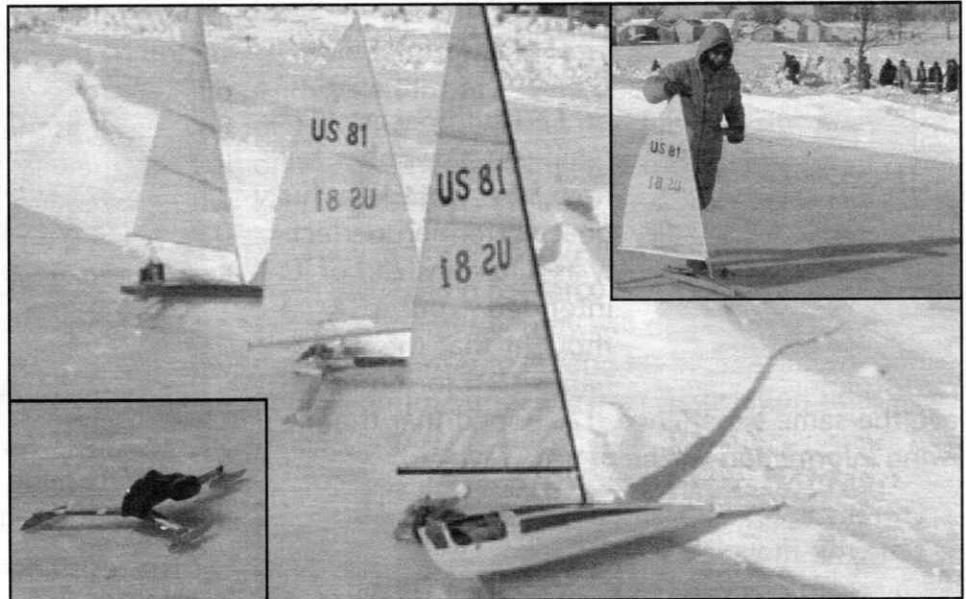
Max. Operating Current AMPS	Wire GAGE
150.....	4
85.....	6
50.....	8
30.....	10
20.....	12
12.....	14
7.....	16
4.....	18
2.5.....	20
1.6.....	22
0.9.....	24

WACONIA CITY WINTER FESTIVAL

Saturday, February 7th saw our second year of participation with the Waconia City Winter Festival. Our club was invited to execute two events, an iceboat demonstration on an outdoor ice rink and a sail, scale and fast electric demonstration at the city's wonderful indoor pool facility.

The city had advertising for the events through their local newspaper and flyers as well as on their city parks web site. They cleared the ice rink for our iceboat demonstration and reserved parking spaces. They cleared their indoor city pool for us and were very supportive of us and our needs.

The iceboat event was attended by eight or nine EMYC members as well as a half-dozen local spectators throughout the two hour event. We had four standard iceboats and Doug's fan-powered beast, the "Black Ice." I was disappointed at the turnout from both our club and the local community.



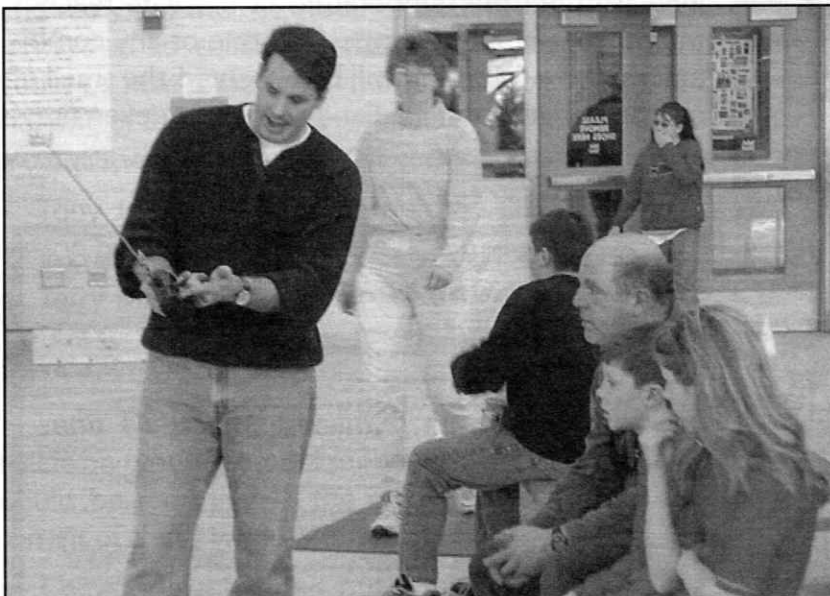
Ice Boat fleet on display. Inset lower left, Doug Campbell's fan-powered beast "Black Ice". Inset upper right Alex Raupp helping the wind.

The indoor event was attended by several more EMYC members, and though the public turnout was slim, we had a ball on a free open pool.

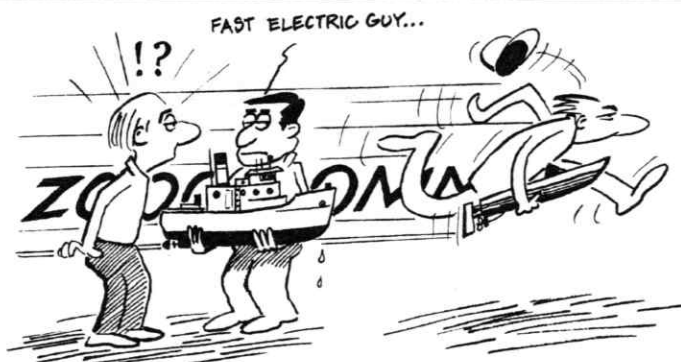
Last year, we received \$100 for participating in their event, and though it's not why we participate, it sure helps our club finances. This event was discussed at club meetings prior to the event, and a big article was in the newsletter along with a map. It is disappointing to me that so few club members showed up for either venue. This was an opportunity for us to expose our unique hobby to new people as well as have a great time doing it on someone else's dime.

We need to show support for these types of events (such as the antique boat show in Redwing) through attendance and participation, and if we don't, we may not be invited back the next year.

—Alex Raupp



John Bishop explains RC Boat operation to interested spectators.



GARY PHILLIPS EDINA MODEL YACHT CLUB OF

From Page 2

interesting book. Check out the web site of the IMB piracy center on http://www.iccwbo.org/ccs/menu_imb_piracy.asp The book is also a wonderful reference to the workings of the massive ships that transport oil all over the world.

A source of World War II submarine operations
 Wisconsin Maritime Museum
 75 Maritime Drive
 Manitowoc, WI 54220 920-684-0218
www.wimaritimemuseum.org
 and www.fleetsubmarine.com/sublist.html

—George Merrill

INTRODUCING... **KLASS KOTE**

"Superior Quality" Epoxy Paint System

KLASS KOTE is a series of two-component epoxy coatings available in a variety of colors, primers, and clear. Once the components are mixed and reduced, KLASS KOTE covers like most conventional finish coats, and has been tested specifically for compatibility and performance for the demanding RC model crafting industry.

PRODUCT HIGHLIGHTS:

- Over 38 years of extensive field performance in a variety of industrial, automotive, aviation, and RC model crafting applications.
- Quick, air-drying, exceptionally protective, chemical hardening and thermosetting system.
- Tough, durable, and flexible film provides excellent adhesion on nearly all substrates.
- Outlasts, outperforms & outshines similar 2-component epoxy coatings.

TO PLACE YOUR ORDER:

- Visit our website - <http://www.klasskote.com>
- Contact us via phone 1-612-243-1234
- Email us at: info@klasskote.com
- Fax your order directly to us 1-612-243-8950

DIVERSIFIED SOLUTIONS

5932 Chicago Avenue South
 Minneapolis • MN • 55417
 Phone: 612-243-1234
 Fax: 612-243-8950
 Mobile: 651-398-694

KLASS KOTE

"Superior Quality" Epoxy Paint System
 for the "World Class" model look...
 Don't delay --- order yours today!

SPECIAL THANKS

To all the members that contributed to this issue of the Sail & Scale. Without you this publication would be nothing.

Fred Ferris, Gregory Hopwood
 Ray Johnson, George Merrill, Paul Olsen, Doug Person, Alex Raupp, Jim Smith, Tom Weigel.

MEMBERSHIP CARD

Remember to show your membership card at Hub Hobby to receive a 10% discount on non pre-discounted items.

FOR SALE

Air Brush Compressor has been used two times and looks just like new. I would like 60.00 dollars for it. It is the T-39 which has the adjustable pressure gauge and filter to remove water from the air. Gary Phillips [REDACTED]

GREATER UPPER MIDWEST TRAIN SHOW & SALE

Saturday April 3, 2004

9:00 a.m. to 2:00 p.m.

3300 Century Avenue North

White Bear Lake, MN

Two blocks north of I-694 and Hwy 120
 (Century Ave)

Adults \$4.00 Under 12 Free

CLUB SHIRTS HATS ETC.

Contact:

Douglas Person [REDACTED]

Cub Burgees and Stickers

Contact:

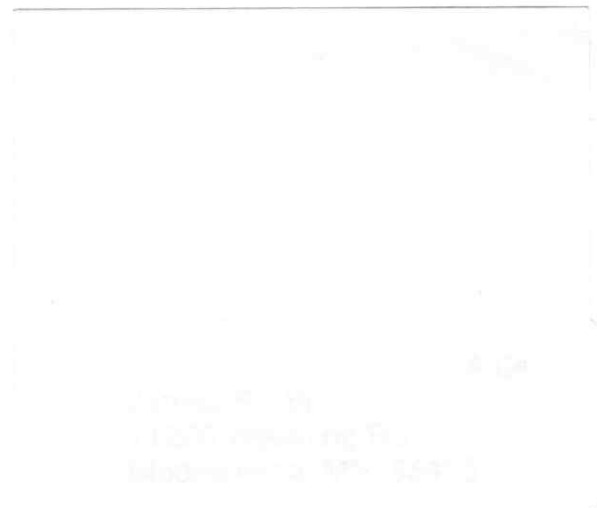
Tom Weigel [REDACTED]



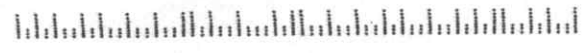
EDINA MODEL YACHT CLUB

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

Edina Recycles



7438+2844 00



MARCH MEETING

**TUESDAY, MARCH 16, 2004 7:00 P.M.
CENTENNIAL LAKES GARAGE BAND ROOM**

Presentation on Painting, Antiquing, and Weathering model boats

At the March meeting our special speaker will be Kirk Brust. His award winning and nationally recognized "Nautilus" will be on display. He will share his artistic approach to painting, antiquing, and weathering model boats.

Special Interest Contacts:

Membership:

Dale Johnson [REDACTED]

Scale Boating:

Tim Smalley [REDACTED]

Sail Boating:

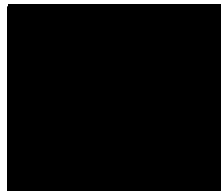
Tony Johnson [REDACTED]

Fast Electric:

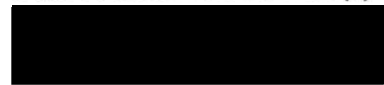
Andy Valentine [REDACTED]

2004 Board Members

- Commodore:** Paul Olsen
- Vice Commodore:** Tim Smalley
- Vice Commodore:** Dave Bros
- Vice Commodore:** Dale Johnson
- Vice Commodore:** Keith Kaletta



Newsletter Editor: Dale Johnson & Alex Raupp



Please send articles by email to:



Deadline for articals to be considered for the April publication will be March 29, 2004