



# SAIL & SCALE

NEWSLETTER OF THE EDINA MODEL YACHT CLUB

February, 1995

VOLUME 4, NUMBER 2

**Commodore's Corner:** The January meeting is over, and if you missed it you missed a good one. Show and tell had it all, ice boat to steam boat, lighthouse to jig saw. I regret we did not have time for all to participate. A big thank you to all. Good boating!

*Dick Kjellberg*

**Club Loss:** It is with great sadness that the passing of club member, Myron S. "Mike" Simenson must be reported. Although 'Big Mike' was 73 years of age, his dedication and enthusiasm exceeded that of many members half his age. If two or more *Fairwind* sailboats were on the pond, there was a good chance that one of them belonged to Mike. Our sincere condolences go out to Mike's wife Yvonne, and to his family. He will be sorely missed by all!

**A Pond For All Seasons:** Our resident "Sub-Dude", Gary Phillips decided that it would be advantageous to test his U-Boat and other projects as needed rather than waiting until ice-out. As a result, an 8'x2'x2' tank complete with three quarters of a ton of H<sub>2</sub>O has taken up residence in his basement. If you'd like to test your new boat without the embarrassment of a potential public sinking, give Gary a call.

**Fairwind Class Secretary:** Are you a Fairwind racer? Would you like to have Fairwind events scheduled when you want them? Then, volunteer to be Fairwind Class secretary for '95. See Dick Kjellberg at the February meeting, or give him a call, anytime!

**More Fairwind:** Dick Kjellberg has a built up Fairwind for sale at \$175. Add another \$40 if you'd like an Airtronics sail winch servo to go with it!

**Builder's Corner:** At the February meeting, we will be concentrating on electronic operations for your project. We will discuss the pros and cons of radios, speed controllers and sound units. This will be a show and tell, question and answer event with several projects on display that use these products, so you can see how they work and how to install them. I'm presently assembling a product list of suppliers which will be available at the meeting.

**February Hot Tip:** Several sizes of surplus Pittman motors and many other electrical components are available at ABC Electronics, 315 Seventh Avenue North, in downtown Minneapolis

*Jeff McCabe*

**Whe(a)ther, or Not!:** The F.A.A. (Federal Aviation Administration) operates a continuous A.T.I.S. (Airport Terminal Information Service) at MSP (Minneapolis/St. Paul International Airport) for users of that facility. If you wonder about conditions at the pond on a particular evening, call [REDACTED] for this meteorological service. It's updated hourly, and uses C.U.T. (Coordinated Universal Time) previously known as G.M.T. (Greenwich Mean Time), so it reads six hours later than C.S.T. (Central Standard Time) or five hours later than D.S.T. (Daylight Savings Time). A busy signal is common a few minutes either side of the hour, as this is when the tape is updated. Cloud cover, temperature, wind direction and velocity are always current.

(How about those TLAs [three letter acronyms], Ed)

**Just Off The Wire:** 18 gauge, solid wire in ten colors is available from Jeff McCabe at a reasonable price (free!). Great for those electronic projects!

**Query of the Month?:** Does anything look just a bit familiar on page 63 of the April '95 issue of *Radio Control Boat Modeler*? Who was first, who pilfered?

**Participatory Membership:** Here I am again, guys, with no input from the rank and file! Page 3 is an outright steal (thanks to Harry Proctor) from another source in order to fill the void. Although the chart may be of use, our members would rather read about your latest building project or vacation visit to a boating museum. Help me out! Macintosh or IBM disk (with printout), typewritten or written by hand are all acceptable, and needed. Please! (Ed. [REDACTED])

**Classified Advertisements:** The club now boasts 85 members. Somewhere within that mass of humanity is someone who needs what you have, or vice versa. I will run ads for any boating related items: kits, built-up models, radios, supplies or memorabilia. Call with your listing by the first of the month. (Ed.)

**Board Meeting, 1/17/95:** Meeting called to order by Commodore, Kjellberg at 6:35 PM. Was moved and agreed that the new Board of Directors, elected annually at the Dry Dock party will henceforth take office at that meeting and serve until the next October. P.Olsen reported on his search for stationery source. Was authorized to purchase 1000 business cards and a small supply of generic letterheads. R.Peter was authorized to purchase six color posters for display in hobby shops, etc. Was suggested that a family membership be initiated for those residing at one address and that only one newsletter would go to said family. Approved, Family Membership: \$25 per year. J.Smith presented letter to board with specifics on Toy Boat Show on April 29th, and EMYC participation at open sailing on April 30th. Board approved. Commodore reiterated that all Board meetings will precede each regular monthly meeting by thirty minutes (i.e. 6:30 PM) to encourage membership attendance. Board will formulate a calendar for '95 which will be separate from the Tuesday, Thursday and Sunday open sailing. No more than one event per month is to be planned. A proposal must be submitted to the Board for approval. Board member responsible for an event can not vote for that event. For example, the vice commodore / scale can not approve his own

scale event. He must receive a positive vote from two of the other three Board members for an event to be scheduled. Commodore will only vote as tie-breaker in the absence of another Board member

As of January, the Board members have assumed these duties:

Kjellberg, Commodore  
 Bottemiller, Vice commodore & Class Secretary, AG-914  
 McCabe, Vice commodore / Scale  
 Olsen, Vice commodore & Class Sec. Marblehead- EC12  
 Phillips, Vice commodore & Treasurer

The board is looking for a member willing to take on the task of Class Secretary for the 'Fairwind'. Also being sought is a member to assume the duties of club Secretary. Smith says his minute taking can't keep up with the speed of the conversation!

Board meeting, - Adjourn: 7:10 PM

Show 'n tell: J.McCabe - Lighthouse and floating island.

C.Bottemiller - Scratchbuilt, scale, "DN" Iceboat. D.Kjellberg - a good auction buy, Robert Fulton's 1803 steamboat, "Clearmont". R.Sheely - Dumas "Cobra" under construction. J.Smith - hot wire, foam cutter, which was scheduled for builder's session that did not materialize before the meeting dissolved about 9 PM.

**Universal Joints:** No! Not your neighborhood bar, Bunky!! Since many of the motors we use are produced overseas, metric shafts (and mounting screw holes for that matter) are not uncommon, even on motors bearing an American label. Where can one find connectors to fasten the motor to the drive shaft?



For low powered operation, a length of tightly fitting rubber or plastic tubing, slipped over almost touching shafts can suffice.

You've probably seen Dumas, brass Universal Sockets which come in 1/8" or 3/16" bore and use a nylon 'dog bone' coupling. No metric sizes are available here. Over all length of this device is 1 3/4", and the three pieces cost about \$7.

International Marine Exchange sells a brass and black nylon universal which carries the letters SDP within an oval logo. The beauty of these units is their versatility. Any combination, mix or match is available in: 1/8"-. (.125"), 4mm- (.157"), 3/16"- (.1875"), 6mm- (.236"), and 1/4"- (.250"). Over all length here is 1 7/8". \$8.

Graupner, sold by Hobby Lobby lists 2mm to 3mm, 3.2mm (1/8") to 3 or 4mm, 1/8" to 1/8", and a 4mm to 4mm with a 5mm (.197") option. Price, \$6 to \$9 They also have a flexible shaft unit in 1/8" to 4mm or 4mm to 5mm. They are long, at 2 5/8", and high, \$12. Although difficult to find (Ships n' Things lists a few), Robbe has a wide selection of "U" joints. They vary from tubing for 1.5mm to 2.5mm and 3.2mm to 4mm shafts through heavy duty rubber couplings in 3.2, 4 and 5mm, to single and double "U"s in 3.2, 4 and 5mm. They even market solid, inflexible couplings in 3.2 to 4mm and 4 to 5mm. Prices here, about \$8 to \$12. So, a good "U" joint won't take too big a bite out of your boating budget! Jim Smith, EMYC

**Clockwise, or Not!:** Have you been confused by the use of clockwise, counter-clockwise, left handed, right handed when it comes to propeller rotation? I did not think I was, since I had read Chapman's bible, *Piloting, Seamanship and Small Boat Handling*, in which, counter rotating propellers are illustrated thus:

Left Hand  and  Right Hand

And the book states: "Standing astern of prop - looking forward at aft side of blade." I have purchased Dumas and Octura props, and they both follow this convention. Then I ordered a Graupner from Hobby Lobby and expected similar results. Not! They were backwards! How come? Well, maybe it's a European thing or possibly just a German thing, but both Graupner and Robbe master catalogs note that their props are handed as "Viewed from motor"! I like to use left handed props (as per Chapman) on my single motored models so that the motor tends to screw the prop on tighter while the boat is moving forward. Robbe and Graupner units must be ordered "backward" in order to achieve this! Jim Smith, EMYC

**Source Changes:** You may have heard that Robbe products are no longer being distributed from their facility in New Jersey but by Pica/Robbe in Miami. Gary Phillips reports that Robbe items are still available from [redacted] and that the prices and delivery time are as good as ever. •Manufacturing and service of the full Jomar line have been acquired by Electronic Model Systems (EMS), 22483 Mission Hills Lane, Yorba Linda, CA 92687. (800) 845-8978. Jomar units will be available through dealers, such as Hobby Lobby, or direct from EMS.

# DRILLS: Metric-Numbered-Fractional-Lettered vs Decimal Inches

DRILL SIZE	mm	DECIMAL INCHES	DRILL SIZE	mm	DECIMAL INCHES	DRILL SIZE	mm	DECIMAL INCHES	DRILL SIZE	mm	DECIMAL INCHES
—	0.10	.0039	45	2.08	.0820	5	5.22	.2055	7/16	11.11	.4375
—	0.20	.0079	44	2.18	.0860	4	5.31	.2090	29/64	11.51	.4531
—	0.25	.0098	43	2.26	.0890	3	5.41	.2130	15/32	11.91	.4688
—	0.30	.0118	42	2.37	.0935	7/32	5.56	.2188	—	12.00	.4724
80	0.34	.0135	3/32	2.38	.0938	2	5.61	.2210	31/64	12.30	.4844
79	0.37	.0145	41	2.44	.0960	1	5.79	.2280	1/2	12.70	.5000
1/64	0.40	.0156	40	2.50	.0980	A	5.94	.2340	—	13.00	.5118
78	0.41	.0160	39	2.53	.0995	15/64	5.95	.2344	33/64	13.10	.5156
77	0.46	.0180	38	2.58	.1015	—	6.00	.2362	17/32	13.49	.5312
—	0.50	.0197	37	2.64	.1040	B	6.05	.2380	35/64	13.89	.5469
76	0.51	.0200	36	2.71	.1065	C	6.15	.2420	—	14.00	.5512
75	0.53	.0210	7/64	2.78	.1094	D	6.25	.2460	9/16	14.29	.5625
74	0.57	.0225	35	2.79	.1100	1/4	6.35	.2500	37/64	14.68	.5781
—	0.60	.0236	34	2.82	.1110	E	6.35	.2500	—	15.00	.5906
73	0.61	.0240	33	2.87	.1130	F	6.53	.2570	19/32	15.08	.5938
72	0.64	.0250	32	2.95	.1160	G	6.63	.2610	39/64	15.48	.6094
71	0.66	.0260	—	3.00	.1181	17/64	6.75	.2656	5/8	15.88	.6250
—	0.70	.0276	31	3.05	.1200	H	6.76	.2660	—	16.00	.6299
70	0.71	.0280	1/8	3.18	.1250	I	6.91	.2720	41/64	16.27	.6406
69	.074	.0292	30	3.26	.1285	—	7.00	.2756	21/32	16.67	.6562
—	0.75	.0295	29	3.45	.1360	J	7.04	.2770	—	17.00	.6693
68	0.79	.0310	28	3.57	.1405	K	7.14	.2810	43/64	17.07	.6719
1/32	0.79	.0313	9/64	3.57	.1406	9/32	7.14	.2812	11/16	17.46	.6875
—	0.80	.0315	27	3.66	.1440	L	7.37	.2900	45/64	17.86	.7031
67	0.81	.0320	26	3.73	.1470	M	7.49	.2950	—	18.00	.7087
66	0.84	.0330	25	3.80	.1495	19/64	7.54	.2969	23/32	18.26	.7188
65	0.89	.0350	24	3.86	.1520	N	7.67	.3020	47/64	18.65	.7344
—	0.90	.0354	23	3.91	.1540	5/16	7.94	.3125	—	19.00	.7480
64	0.91	.0360	5/32	3.97	.1562	—	8.00	.3150	3/4	19.05	.7500
63	0.94	.0370	22	3.99	.1570	O	8.03	.3160	49/64	19.45	.7656
62	0.97	.0380	—	4.00	.1575	P	8.20	.3230	25/32	19.84	.7812
61	0.99	.0390	21	4.04	.1590	21/64	8.33	.3281	—	20.00	.7874
—	1.00	.0394	20	4.09	.1610	Q	8.43	.3320	51/64	20.24	.7969
60	1.02	.0400	19	4.22	.1660	R	8.61	.3390	13/16	20.64	.8125
59	1.04	.0410	18	4.31	.1695	11/32	8.73	.3438	—	21.00	.8268
58	1.07	.0420	11/64	4.37	.1719	S	8.84	.3480	53/64	21.03	.8281
57	1.09	.0430	17	4.39	.1730	—	9.00	.3543	27/32	21.43	.8438
56	1.18	.0465	16	4.50	.1770	T	9.09	.3580	55/64	21.84	.8594
3/64	1.19	.0469	15	4.57	.1800	23/64	9.13	.3594	—	22.00	.8661
55	1.32	.0520	14	4.62	.1820	U	9.35	.3680	7/8	22.23	.8750
54	1.40	.0550	13	4.70	.1850	3/8	9.53	.3750	57/64	22.62	.8906
53	1.51	.0595	3/16	4.76	.1875	V	9.56	.3770	—	23.00	.9055
1/16	1.59	.0625	12	4.80	.1890	W	9.80	.3860	29/32	23.02	.9062
52	1.61	.0635	11	4.85	.1910	25/64	9.92	.3906	59/64	23.42	.9219
51	1.70	.0670	10	4.91	.1935	—	10.00	.3937	15/16	23.81	.9375
50	1.78	.0700	9	4.98	.1960	X	10.08	.3970	—	24.00	.9449
49	1.85	.0730	—	5.00	.1968	Y	10.26	.4040	61/64	24.21	.9531
48	1.93	.0760	8	5.05	.1990	13/32	10.32	.4062	31/32	24.61	.9688
5/64	1.98	.0781	7	5.11	.2010	Z	10.49	.4130	—	25.00	.9842
47	1.99	.0785	13/64	5.16	.2031	27/64	10.72	.4219	63/64	25.00	.9844
—	2.00	.0787	6	5.18	.2040	—	11.00	.4331	1"	25.40	1.0000
46	2.06	.0810									

Millimeters x .03937 = Inches in thousandths

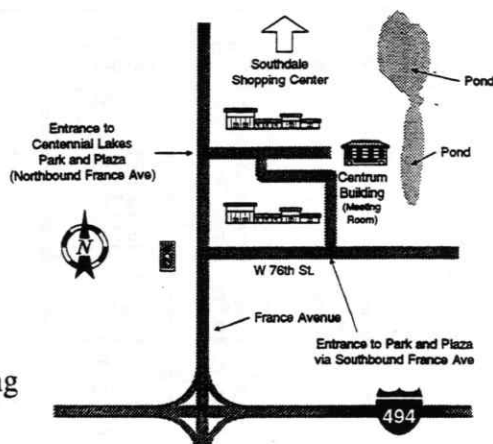
Inches ÷ .03937 = Millimeters

# February Meeting Notice:

**Tuesday, FEB. 21**  
**7:00 P.M.**

Following Open Board Meeting  
**6:30 P.M.**

Garage - Band Room  
300' North of Centrum Building



Commodore:

V.C. & Class Sec., AG-914

V.C. / Scale

V.C. & Cl. Sec., Marble'd, EC-12

V.C. / Treasurer

Newsletter Editor

Dick Kjellberg

Charles Bottemiller

Jeff McCabe

Paul Olsen

Gary Phillips

Jim Smith

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