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TO: Andy Anderson
Jim Slimmon

FROM: Dick Roberts

SUBJECT: Time-on-Time Comparisons Using the 1994 Race Series

Andy had asked that I have a go at doing the results of the 1994 Race Series using Time-on-Distance scoring, as well as Time-on-Time. This I have done and the four print-outs are enclosed.

In doing the Time-on-Distance results, the Time Allowances had to be calculated for each yacht. I was not able to be at either the Spring or Fall Race Series so I don't know if the planned course lengths were used. That is, it is possible that the courses could have been shortened, or that the shorter Course 3 could have been used on Saturday in the Spring. The reason this is important is that the course length is a factor in arriving at the Time Allowance and too long a course length would lead to too large a Time Allowance and to too small a Corrected Time in the Time-on-Distance comparison. Here is what I used in calculating the Time Allowances:

<u>Class</u>	<u>Spring</u>		<u>Fall</u>	
	<u>Friday</u>	<u>Saturday</u>	<u>Friday</u>	<u>Saturday</u>
A-1	24.81	22.90	24.60	20.20
A-2	24.81	22.90	24.60	20.20
B	18.35	16.20	16.20	16.20
C-1	24.81	22.90	24.60	20.20
C-2	24.81	22.90	24.60	20.20
C-3	24.81	22.90	24.60	20.20
C-4	24.81	22.90	24.60	20.20
C-5	18.35	16.20	16.20	16.20
CR1	24.00	24.00	20.00	20.00
CR2	24.00	24.00	20.00	20.00

Unless the Race Committee signalled a shorter course, these represent roughly what was sailed this year. (Cruising Canvas Class is handicapped on an apparent course length somewhat longer than the rhumb-line length.)

For the Time-on-Time comparison, course length is not a factor and the above course lengths were not used.

I should point out that I routinely assign 1000 minutes to each DNS and 2000 minutes to each WDW. This results in a large value for their Corrected Times and assures that the DNS and WDW yachts sort at the bottom of each class, with WDW being below DNS. (A zero or blank in that space, being a small value of Corrected Time, would cause those yachts to sort at the top of their class, which can be confusing.) Before I do the final for printing, I delete the times associated with the assigned 1000 minute and 2000 minute values. You should ignore those figures, or draw a line through them.

In each of the four print-outs, all the yachts were sorted by Friday's Corrected Times and then sorted by Class. Then the Friday Positions were entered. Next, all yachts were sorted by Saturday's Corrected Times and then sorted by Class, and the Saturday Positions were entered. Finally, the yachts were sorted by Combined Corrected Times and then sorted by Class, and the Combined Positions were entered, and then the print-outs were made.

I hope you'll be able to draw a conclusion from all of this! My gut feeling is that Time-on-Time didn't make it worse, and it made it somewhat easier on the Race Committee -- I think we should continue it.