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December 29, 1996

TO: Norm Rabe, Carl Fast, Neal S. O'Connell  
FROM: Dick Roberts  
SUBJECT: Light-Displ Class Committee

I've been playing with the table that Norm sent us. Starting with my database for the "C" Classes, I entered the data from Norm's table. Next, sort of by intuition, I went through and selected potential boats for a separate class. Those are marked with "\*" in a field I've called "Intuit."

I've provided several sorts for your study. The first (1) is strictly by PHRF, and that's how Classes C-1 through C-5 would look if they all entered. For the second (2), I sorted the "\*" in the Intuit Field so that they would appear at the bottom -- sort of a separate class -- all by PHRF. Next, to get a feel for the effect of Displacement, I sorted (3) on Adjusted Displacement. (I rather arbitrarily assigned the number of crew for each boat and determined the crew weight, at an average per person weight of 180 lbs.) Then fourth (4), I sorted on Displacement-Length Ratio, using the Adjusted Displacement. These four sorts of the database are enclosed.

I also tried several other combinations of terms. They are kind of hokey and have little scientific reasoning. The numbers are shown in the Fields Trial 1 through Trial 5, as defined below:

Trial 1	= Displ/PHRF
Trial 2	= (Displ/PHRF)*Displ L
Trial 3	= Displ L/PHRF
Trial 4	= 100*PHRF/(L*L)
Trial 5	= Displ L*PHRF/100

I haven't provided you with a sort on any of those trials because, as far as I can tell, the results are not conclusive.

I think that if we are going to have a separate, light-displacement class, we'll have to rely on our intuition to make the selections. That means taking the Intuit Field and reshaping and revising it to suit our collective opinion (perhaps dropping out WIRED and MENACE, etc.) and simply saying -- "That's it," in our tried and true Classification Committee manner. No, I guess we could have appeals, etc., and we have to face up to that possibility.

These are my thoughts, after talking a bit with Norm. I ask Carl and Neal to comment to Norm. If we need to meet face-to-face, we can try and set something up for next week, maybe the 7th, 8th or 9th.

Dick