

US SAILING 2007 Spring Meeting ORR/Americap II Committee Minutes

Newport, Rhode Island
Saturday, March 17, 2007

Members Present: Dick Hampikian, James Teeters, Dan Nowlan, Gino Bottino, and Peter Reichelsdorfer.

Members Absent: David Ross, John Collins, John Winder, Shawn O'Neill and Jerry Fipps.

Guests: Bill Langan, Talbot Wilson, Bill Kellner, Bob Porter, John Siegel, Bruce Bingman, Bob Warnecke, and Jerry Montgomery.

Call to Order: 9:40 am

Approve previous minutes – passed

Report from Associate Offshore Director – Jim Teeters

Jim presented his report on "An Investigation of Heel Effects On Upwind Sail Aerodynamics". This report summarizes the wind tunnel testing and resulting significant changes to the aero modeling incorporated into the ORR. The historic approach of decreasing driving force due to increased heel is wrong. The results of this basic research has yielded a better understanding of what really occurs. The ORR has been modified to incorporate the wind tunnel results. The low stability that was present in of rule has been fixed. The upwind speed predictions were off 10% to 14%.

Future improvements we are working on are:

- Update the Trans Pac special VPP
- Improvements to the de-powering model
- Change spinnaker limitations
- Rewrite the ORR code
- Wave drag improvements

Report from the Offshore Director – Dan Nowlan

ORR Growth

- For 2005 we had 540 boats
- For 2006 we had 715 boats

Discussion Items

- **Around the buoys - are we ready.** Yes and no. We have the most accurate measurement rule in the world. We will never be able to

accurately rate terribly designed boats. We do the best there is but some boats we will not rate accurately.

- **Promotion - double number vs. single number (TOT or TOD) / double score regattas.** Our rule has the ability to provide a true two number system, single number TOT, or single number TOD. We leave it to the organizers to pick what they want. Most are choosing single number TOD or single number TOD. In many cases they are requesting particular course configurations and ratings for light, medium, and heavy wind conditions. Then based on the wind conditions present for a particular race they choose light, medium or heavy prior start of race. We have found that TOT is giving slightly better results than TOD.
- **Marketing / promotion position.** We had an individual chosen but he was unable to actively start in earnest. We are looking for another individual to take on this job.
- **Spinoas - support / not support?** Presently our rule does not allow battens in spinnakers or head sails therefore Spinoas are not allowed.

The following three discussion items were not covered due to lack of time.

- **Rating canting keel boats with forward dagger boards or bilge boards.**
- **Double scoring major regattas.**
- **Laser measurement / build up the data base of standard hulls.**

New Business

- Gino Bottino brought up the idea that we should promote rating bands and develop an active owners group. All agreed that this was a good idea.
- It was brought up that we are not doing a good job of promotion. We all agreed and set this as an action item.

Meeting Adjourned: 11:35pm

Respectfully submitted,
Dick Hampikian