

US SAILING 2006 Fall Meeting ORR/Americap II Committee Minutes

**Newport, Rhode Island
Thursday, November 16, 2006**

Members Present: Dick Hampikian, David Ross, James Teeters, John Collins, John Winder, Dan Nowlan, and Peter Reichelsdorfer.

Members Absent: Shawn O'Neill and Jerry Fipps.

Guests: Bill Langan, Talbot Wilson, Larry Bulman, Bill Kellner, Stan Honey, Jerry Montgomery, Do Crandall, Alan McMklan, Bob Porter, John Siegel, Bruce Bingman, and Gino Bottino.

Call to Order: 11:15 am

Approve previous minutes – passed

Report on status of ORR – Bill Langan

Brief History of ORR

2006 –

- In 2006 we published rule using IMS and Americap as a starting point.
- Nation wide input and contribution on rule
- Americap transformed to ORR by Jim Teeters
- Doubled fleet in two years (700+ certificates now)
- Newport to Bermuda 265 certificates under tough weather conditions
- Chicago Mac

2007 –

Marketing and promotional push

Newport Bermuda and Marion Bermuda – Crushing division joint trophy

Marblehead to Halifax and Newport to Bermuda – joint trophy

Report from Associate Offshore Director – Jim Teeters

ORR Races and Regattas

- Marion Bermuda Race
- Sand Diego YC Puerto Vallarta Race
- Balboa YC Cobo San Lucas Race
- Newport to Bermuda Race
- Chicago Mackinac Race
- Pacific Cup
- Vic Maui
- Hawaii – Buoy and Distance Racing
- Long Beach 70's Invitational
- Newport Harbor Cabo San Lucas Race

- Traspac Race

Services provided by ORA and US Sailing:

- Smart Scratch Sheet – Example - Hoag Regatta, Marion Bermuda,
- Customized Distance Races – VM Spreadsheet – Custom ratings for events
- Multiple Ratings – More than one options for event for choice right before the event
- Multiple Rules – Hidden Complex Scoring
- Wind Options – Providing multiple ratings for various conditions – Used in Long Beach
- Scoring Analysis Program -
 - Multiple wind and course scenarios
 - Multiple Rules Options
 - Virtual Race with Comparative Scoring
 - Correlated Race Results with Boat Characteristics

ORR Updates for 2006

- Revised sail aerodynamics when heeled – Large impact on rating stability
- Immersed transom drag based on IOT test tank
- Better treatment of wing keels, centerboards, ketches
- Looser limits on spinnaker size
- More accurate sail de-powering
- Most of these updates were driven by: Canting Keel, TP 52, and large down wind boats

ORR VPP Updates for 2007

- Effective sailing length modifications using tank test data of variable stern overhang
- Revisions to sail de-powering
- More robust treatment of canting keels
- Smarter implementation of age allowance

ORR Updates

- Printed all inclusive rulebook
- Use of designer lines for hull, keel, rudder geometry
- Reduce need for hull measurements
- Replace Tandy computer with PC

Performance Packages (Polars) – Sold 150 packages in 06, expect double in 07

- Multiple Sails with Crossovers
- 1degree increments of true wind angle
- Sent out as electronic file
- Available to anyone with boat
- Agreements with Nobletec and Ockam

- Polar Predictions for specific sails in inventory using wind tunnel data

Race Analysis Package

- Spreadsheet with custom racing fleet, handicaps
- Choose wind/course scenario
- Virtual race using boat polars
- Determine optimum boat configuration for specific race

Sailing Yacht Research Foundation - Update

- Mission: R&D in the performance of sailing yachts to support handicapping and educate the sailing public.
- Maintenance of the ORR through scientific research and VPP development
- Publish papers in technical symposia
- Non-profit; target endowment of \$1.5M, \$.5 raised, \$.5 available as matching fund
- Board: Steve Munger, Pete Reichelosdorfer, Stan Honey; President: Jim Teeters

Rule Promotion – John Winder

- Done Well - In 2006 great rule growth – growth of certificates.
- Have not done well - Coordinate and educate organizers and clubs about rule and services.
- Additional web development
 - ORR Site – Currently stagnate – Need to update and
 - US Sailing Site – Updated
- Goal to get owners volunteering:
 - Owners Committee
 - Sailing Data – Supplying actual data from races
- Combined Trophies
 - Newport to Bermuda and Marblehead to Halifax – increase participation
- Improved Communications - Let people know what is going on

Report from the Offshore Director – Dan Nowlan

ORR Growth

- 2006
 - 715 Boats
 - 100% revalidate rate of core boats
 - 160 new boats
- 2007
 - 580 Boats
 - Lose Newport to Bermuda (265)
 - Gain Transpac and Marion to Bermuda
 - Retain 100% revalidate core

Suggestion from Bill Langan – add a letter to the ORR revalidation letter explaining why revalidation is important to support the rule in the long term.

New Business

Bill Langan – Interface with PHRF

- Offer to allow PHRF access to the VPP and other tools
- Paul Ansfield – we accept

Bill Langan - Growth Areas

- Great Lake 70's are currently evaluating a switch to ORR.
- Houston Club using ORC Club – Requested a presentation on ORR because they are not satisfied with ORC Club – Presentation by Dan Nowlan scheduled for the spring Of 2007.

Meeting Adjourned: 1:05pm

Respectfully submitted,
David Ross