

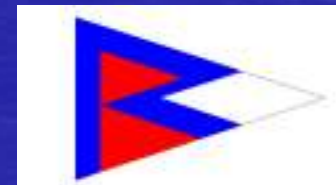
Seminar

“How to Race Your Cruising Sailboat for Fun”


Do you want to use your boat more often? Would you like to learn how improve your sailing ability? Do you want to crush your foes and hear the lamentations of their children?
Just kidding.



Patrick Shuss
2011 Vice Commodore
Redondo Beach Yacht Club



What is needed to race my boat in the Mariner fleet?

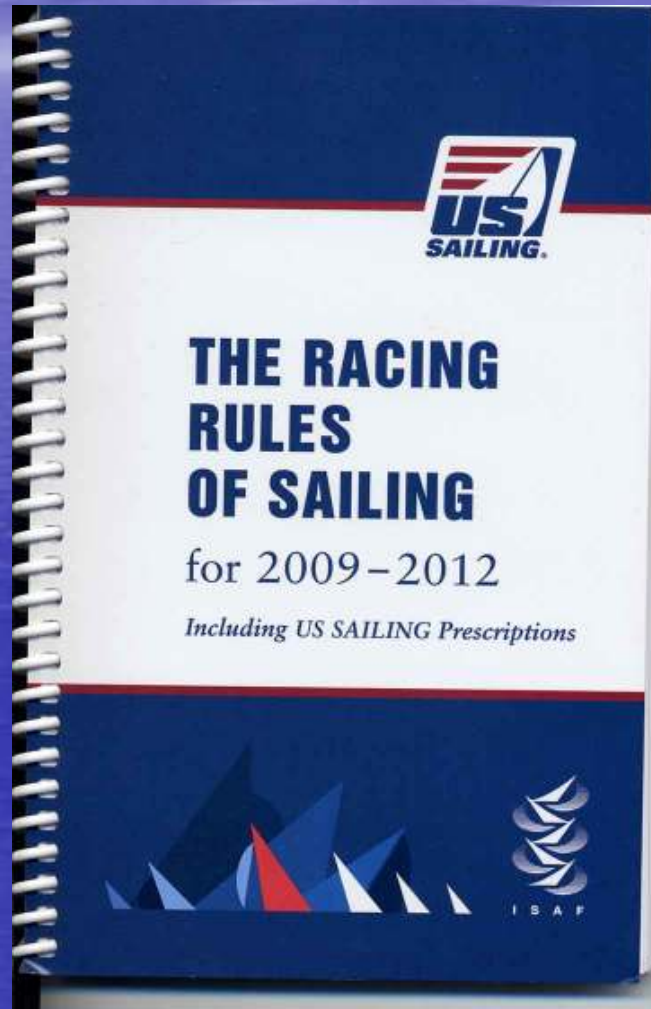
- A Mariner boat
- US Coast Guard Safety Equipment
 - Life jackets (must be worn if  is shown)
- Boat operating equipment
 - Auxiliary propulsion
 - Navigation lights
 - VHF radio or cell phone
 - Anchor and rode
 - Insurance



Registering for the race

- Boat & Skipper's information
- Race Fees (individual race or series)
- Handicap
 - Allows different boats to race against each other
 - A number in units of seconds per nautical mile
 - Begins with the Performance Handicap Racing Fleet (PHRF) number
 - Modified by various factors (cruiser's benefits) on race entry form
- Proof of insurance

The Racing Rules of Sailing (RSS) 2009-2012



10/14/2011

www.redondobeachyachtclub.org

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The Notice of Race (NOR) and Sailing Instructions (SI)

- NOR Contents to be given 2 weeks prior to race
 - Rules
 - Classes and class flags
 - How to enter
 - Start times
 - Scoring
- SI Contents to be given on or before the day of race
 - Updated information
 - Race schedule
 - Start/finish area
 - Racing Marks
 - Race Courses
 - Check-in
 - Start timing
 - Finish Line



Example NOR



REDONDO BEACH YACHT CLUB

2010 TUESDAYS – NOTICE OF RACES

June Cup Series has a separate Notice.

WHEN - 2010 **SPRING SERIES** is ten Tuesdays from **March 23** through **May 25**.

2010 June Tuesdays are five individual races underlying the **JUNE CUP SERIES**

2010 **SUMMER SERIES** is ten Tuesdays from **July 6** through **September 7**.

2010 King of the Evenings is **September 14** (Merged-classes of invitees and usual).

RULES – Racing Rules of Sailing 2009-2012 with prescriptions, USCG, PHRF (or OD class) rules apply. For example, PHRF requires engine, anchor, pole < 1.4J, no free-flying headsail. Others that apply: this NOR, the Sailing Instructions, or new rules. Solo sailor or no sail # is OK. VHF marine radio can be replaced with cellphone. New rules are announced when you pay or under L flag if you prepaid. If you've missed a week, ask if rules have changed. If rules conflict, the latest governs.

INVITED - Keelboats. Yacht club, PHRF memberships and sail # are urged but not required.

CLASSES – Only the **Mariner** Class will get courses with unnecessary reaching legs.

Cal 20: Newly guaranteed* OD class. The other guaranteed handicap classes are the usual:

Mariner: Non-Spinnaker: PHRF RLC rating + NS offset (req'd) + cruiser benefit** >180.

Class A: Spinnaker: [RLC rating + NS offset (optional) + cruiser benefit*] < 150.

Class B: Spinnaker: [RLC rating + NS offset (optional) + cruiser benefit*] range [150,240]
Possible embedded classes: **Mar-242** in class **B** and **WAH-A**, **WAH-B** in classes **A** and **B**.

*Guaranteed: 1+ trophy. Embeddeds: born when three start, die when only one boat starts.

**Only ASMBYC cruiser benefits that the PHRF rating does not include are applicable.

If you qualify for both **Mariner** and **B**, choose **B** unless you never fly a spinnaker.

ENTRIES – One entry (at RBYC Tuesdays or REDONDOBEACHYACHTCLUB.ORG) is good for all Tues.

Fees: \$100 for all Tues., \$50 for the Spring Series or Summer Series (10 races each)

\$7 for tonight, \$8 if paid after racing, \$25 for the June Cup Series (5 races)

RBYC is open for entry and fees from 4:15⁵ to 5:30 on Tuesdays (⁹from 4:00 on 3/23 and 6/1)

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STARTS – Even dates, start at **S**; Odd dates, at **K**. (This schedule “Es OK.”)

Cal-20 and **Mariner** (both flag M): warned at 6:15 and start at 6:20 on separate courses.

Class A and any **WAH-A** sub-class (class flag A) is warned at 6:20 and starts at 6:25.

Class B, any **Mar 242**, any **WAH-B** class (all, flag B) are warned at 6:25 and start at 6:30

Empty classes will be signaled as usual so that the schedule is unchanged.

COURSES - Numbered courses, listed in the Sailing Instructions, are chosen to finish the fleet around 7:35 PM. Your course number is shown on a banner from class Warning until Start.

RACE SCORES – This year the **time-on-distance** PHRF system will be used. The Low Point method, modified so that the OCS and DNF score is the number of starters (i.e., not penalized) and DSQ is one point more, will yield points for the sorted corrected times. Tied scores are rounded down (not averaged, not broken). These amend RRS A4.2 and A7. One award for 1-3 starters. Two for 4-6. Three for 7-9, etc.

SPRING OR SUMMER SERIES SCORES – Any race where a mark (or start committee) is missing will not be included in the series. A boat must start in at least 6 races of the Spring or Summer Series* in one class to qualify for series scoring, and the lowest sum of 6 raw scores will be compared. Ties are **not** broken by applying RRS A8.9 but by comparing the sum of all raw scores in races where **both** started, then if necessary by comparing total corrected times in those common races. Awardees (one for 1-4 in class, two for 5-7) are invited to the ASMBYC Championship (Sept. 26, 27) and take home an engraved trophy on Awards Night in November or December. *June Tuesdays aren't a series.

HORIZON PERPETUAL - The boat with the lowest sum of 12 raw scores in the combined Spring and Summer Series (20 races), in each class, will be named on the Horizon Perpetual Trophy. Ties for first are broken as they are for the Spring and Summer Series.

HOSPITALITY – Racers, members, guests are invited to RBYC after 7:00 for no-host drinks, burgers and dinners. Parking is free on Tuesdays if you tell the gatekeeper that you are a guest of RBYC and park where he directs.

HELP- Race Chair: S/Cmdr John Ellinwood, 310-645-9550,

jwellin@sbcglobal.net

Race Officer: V/Cmdr Craig Miller, 310-697-9419.

RBYC bar: 310-374-483

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Example SI

REDONDO BEACH YACHT CLUB

2010 TUESDAYS - SAILING INSTRUCTIONS

1. Check-in is discouraged, but if **L** flag is flown, come within hail or follow the committee boat. **L** over a class flag means 'Approach only if this is your class flag'.
2. Start between the **orange** flag on committee boat and nearest nonattached buoy.
3. Don't touch the start line after **P** flag is first raised until your **P** flag goes up.
4. General recalls: The recalled class flag will be left up. The class will start 5 min later (amends RRS 29.2), delaying remaining starts. Then expect **I** flag instead of **P**.
5. Keep all rounding marks to port except those in the course lists with subscript **S**.
6. If a mark is missing, round its listed position and continue.
7. RRS 44.1 is changed to a one-turn penalty; i.e., one tack and one gybe. (Short race)
8. Turn running lights on by sunset. When finishing later, please hail RC with your boat name. Only the RC may protest (after one warning) for no running lights.
9. When rounding **W** (white can at entrance), the chute head must be falling or fallen.
10. Finish inside between the "No Fishing" sign on the heel of Mole B and the committee boat or, in its absence, the yellow sphere buoy opposite the sign.
11. If the lead boat in any class rounds a mark other than **G** or **W** after 7:45 PM, she is to finish her class there, taking her own time, taking the time when the next-in-class rounds, telling this boat to stay and take the time of the next to round, etc.
12. No finishes after 8:15 PM. Why starve? This amends RRS 35, the "Sunset Rule".
13. Boats that retire must hail or phone the finish committee (310-697-9419) or call the bar (310-374-4838). If you're in last place there's no penalty for retiring. Please don't make us search the bay. If you need towing, hail a boat or call the finish cmte.
14. Boats finishing with a red flag must alert the finish committee. Protest forms are in the rack at RBYC. File within 30 min of RC's arrival at RBYC. Hearings are ASAP.

APPROX. BUOY LOCATIONS

Buoy	N. Lat-33°	W. Lon-118°	Buoy	N. Lat-33°	W. Lon-118°
A	50.48'	25.75'	P	49.38'	24.69'
C	50.69'	25.07'	S	50.85'	24.66'
F	50.01'	26.90'	T	50.99'	24.29'
G	50.35'	23.77'	W	50.49'	23.67'
H	49.14'	25.19'	X	49.76'	23.81'
K	49.61'	24.15'	Y	50.14'	24.27'

REDONDO BEACH YACHT CLUB

2010 TUESDAY COURSES FOR MARINERS

MARINER CLASS S START

COURSE/START	ROUNDING MARKS	finish	DIST
Winds from 145 - 200 or 325 - 020			
1	S Y _s C _s S C G W	fin	4.1
2	S Y _s S A G W	fin	4.8
3	S F X W	fin	5.8
Wind from 205 - 260 or 025 - 080			
4	S C G W	fin	2.1
5	S C X W	fin	3.0
6	S C X _s K _s W	fin	3.5
7	S C P X W	fin	3.8
8	S C K Y K W	fin	4.2
9	S C H X W	fin	4.5
10	S C Y C X W	fin	4.7
11	S C K C _s Y G W	fin	5.0
12	S C K S _s X W	fin	5.5
13	S C K C _s X W	fin	5.6
14	S C X S X W	fin	5.8
15	S C P T _s K W	fin	6.2
16	S C K S P G W	fin	6.4
17	S C P S P G W	fin	6.5
Winds from 265 - 320 or 085 - 140			
18	S H G W	fin	4.1
19	S H K P _s G W	fin	5.1
20	S H Y _s P G W	fin	5.7

APPROX. MAG. HEADINGS

FROM	Y	F	A	C	S	T
Y	081	092	115	142	166	
H	204	108	148	163	181	##
P	192	096	128	153	##	##
K	156	086	109	132	148	162
X	131	082	099	117	134	149

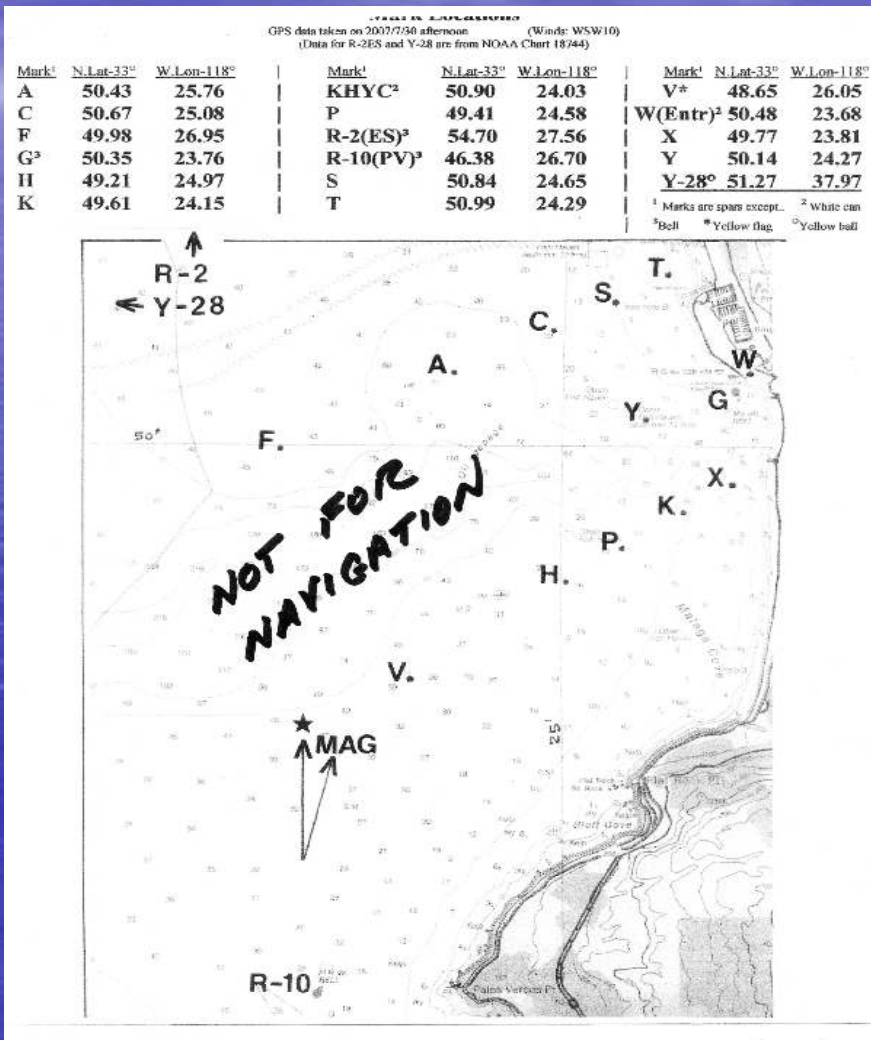
MARINER K START (exc18)

COURSE/START	ROUNDING MARKS	finish	DIST
Winds from 145 - 200 or 325 - 020			
1	K Y K Y _s G W	fin	2.7
2	K Y A _s G W	fin	4.1
3	K Y A X W	fin	4.8
4	K A F G W	fin	5.9
Winds from 205 - 260 or 025 - 080			
5	K W	fin	1.4
shore ward start			
6	K P X W	fin	2.5
7	K P Y _s X W	fin	3.1
8	K P X Y X W	fin	3.6
9	K P X Y K W	fin	3.9
10	K P X C _s S _s G W	fin	4.6
11	K P _s C _s S _s K W	fin	5.0
12	K P X S X W	fin	5.1
13	K P X C K W	fin	5.5
14	K P X S _s T _s K W	fin	5.8
15	K P X A X W	fin	6.1
16	K P X Y A K W	fin	6.2
17	K P X A P G W	fin	6.4
Winds from 265 - 320 or 085 - 140			
18	X Y P X Y _s G W	fin	3.8
19	K Y H X Y _s G W	fin	4.8
20	K Y H _s S _s X W	fin	6.1

APPROX. MAG. HEADINGS

FROM	Y	H	P	K	X
Y	024	012	336	311	
F	261	288	276	266	262
A	272	328	308	289	279
C	295	343	333	312	297
S	322	001	##	328	314
T	346	009	359	342	329

Course Chart






How to read a race course

- Example:



6 S C X_s K_s W fin 3.5

- Course #6
- Start at "S" mark
- Upwind to "C" mark
- Over to "X" mark, leave to starboard
- Windward to "K" mark, leave to starboard
- Down to "W" mark at the harbor entrance
- Finish between the committee boat and mole B
- The race distance is 3.5 nautical miles
 - Leave all marks to port unless stated otherwise








Before the start

- Identify the starting line – either “S” or “K”
- There is a timed sequence of events that occur during the start of a race
- The flags control the timing of the race, **not the horn or the clock!**
- If you see  approach the committee boat
- Keep an eye out for the postponement flag 
- At any time, 3 horns +  = abandon the race


The pre-race starting sequence

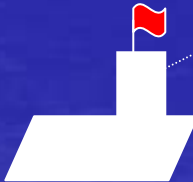
- Four horn blasts = wake up!
- One horn and class flag ("M" ) up = 5 minutes until start!
 - The numeric course flag. Get the course! Get the course! Get the course!
- One horn and "P"  flag up = four minutes to start! You are considered to be racing
- One long horn and "P" flag down = one minute to start!
- One horn and class flag down = start!

Typical Tuesday starting sequence

Time	Horns	Up	Flag	Down	Meaning
6:14pm	4 short		None		Wake Up!
6:15pm	1 short		"A" up		"A" sequence
6:16pm	1 short		"P" up		"A" fleet is racing
6:19pm	1 long		"P" down		One minute to "A" start
6:20pm	1 short		"B" up	"A" down 	"A" start, "B" sequence
6:21pm	1 short		"P" up		"B" fleet is racing
6:24pm	1 long		"P" down		One minute to "B" start
6:25pm	1 short		"M" up	"B" down 	"B" start, "M" sequence
6:26pm	1 short		"P" up		"M" fleet is racing
6:29pm	1 long		"P" down		One minute to "M" start
6:30pm	1 short		"M" down		"M" start

The actual start of the race.

- When can I cross the start line?
- Right-of-way. Communication is a must
 - Starboard! (yelled)
 - Leeward! (also yelled)
 - Overtaken (not so much yelling)
- Oops! I'm over early!
 - How do I know?  & horn
 - It wasn't me, was it?
 - What now?

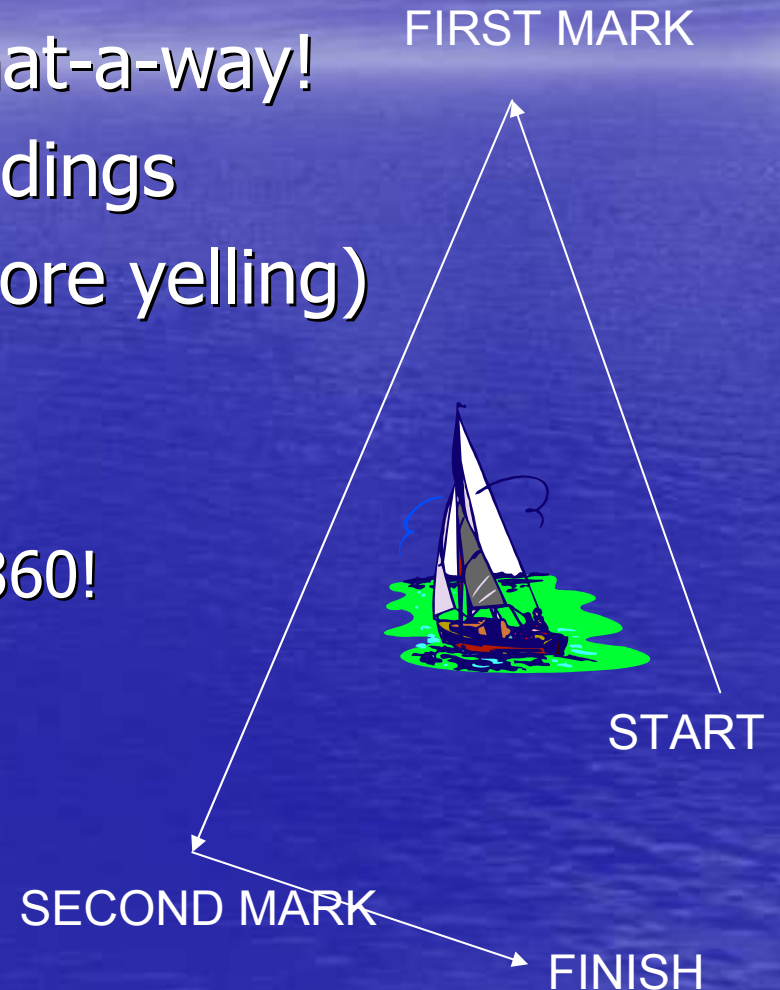


WIND



The race course.

- The windward mark. Go that-a-way!
- Port versus starboard roundings
- Marks and obstructions (more yelling)
- Hitting stuff - Ouch!
 - What is a collision?
 - The committee boat? Do a 360!
 - A mark? 360 again!
 - Another boat? Foul!
- The string rule



Someone's yelling at me!

- Fouls (right-of-way, mark-room, collision, etc.)
- The red flag of protest
- The 360 degree exoneration (get out of jail free)
- The protest hearing (“Will the accused...”)
- In general, protests are reserved for more serious races, but if you must: follow the rules.



The finish line

– Who won?

- When am I scored?

- Time on distance calculations

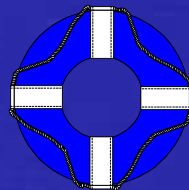
- Boats are ranked from lowest to highest corrected times
- Corrected Time (s) = Actual Race Time (s) - (HCP (s/nm) X Race Distance (nm))
- Low score wins

- Series scoring

- Award finishing points for each race (1 for first, 2 for second...)
- Discard throw-outs
- Add up all your points
- Low total wins

If you retire or need assistance

- Call the committee boat on VHF (CH 16 or the VHF channel specified in the NOR)
 - or cell phone (also in the NOR)
- Call the club (310-374-4838)
- In an emergency, hail “Mayday” on CH 16



The three different race series

- Individual series
 - The Spring Horizon Series (March 22 – May 24, 2011)
 - The June Cup (May 31 – July 5, 2011)
 - The Summer Horizon Series (July 12 – Sep 6, 2011)
- The overall trophies
 - “A” Fleet
 - “B” Fleet
 - “Mariner” Fleet



Making your boat competitive

- Lighter is faster
- Sails can make all the difference
- Keep weight out of the ends
- Clean the bottom
- Use a compass or GPS
- Take advantage of cruiser benefits



Festivities at the club

- Drinks at the bar
 - Soft drinks
 - Beer and wine
 - Mixed drinks
- Dinner choices
 - Burgers
 - Second dinner
- Trophy presentations
 - Take-home trophies



The Hook

- Here's the obligatory pitch to join the club!
- Benefits
 - Lots of social events (parties, dinners, etc.)
 - Member drink prices at the bar-cheaper!
 - More chances to use your boat
 - Opportunity to meet more like-minded boaters
- Cost
 - \$125 Quarterly or \$480 annually

Thanks for your attention!

- For a boat,

**“The worst abuse is
lack of use!”**