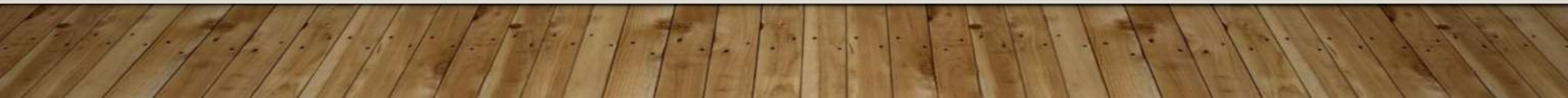




RBSA SKIPPERS' MEETING

13 APRIL 2019



AGENDA



- Introductions
- Treasurer's Report
- Overall goals of RBSA updates this year
- Review Race schedule, RC Assignments & Responsibilities
- New Start Sequence 3 starts - review laminate card hand out
- Starts at B and V
- New prescribed courses (review matrix)
- Corinthian class assignments and explain score sheet
- Volunteers for Board members

INTRODUCTIONS AROUND THE ROOM



- New members
- New Boats

TREASURER'S REPORT



- Membership Dues - why important (Trophies, Special Events)
- Current balance
- Burgees

OVERALL 2019 GOALS OF RBSA



- Grow membership & participation
- Improve courses - Eliminate sailing into holes
- Better race management
- Foster competition through entire the fleet
- Consolidate fleet finish
- Encourage social gatherings
- Have fun!

2019 SCHEDULE AND RC ASSIGNMENTS



- Race Schedule: Switch 3 July (Wednesday) race to 2 July (Tuesday) race to avoid Sherwood Forest Fireworks display conflict?
- Note your RC assignment(s)!
 - Skipper is responsible for any switches – notify Shuart/Snelgrove for web update
 - Website should always be accurate

RC Responsibilities



- Safety of the fleet - monitor weather conditions before, during, after
- Proper course selection based on wind, weather, daylight hours
- On time start(s) - be on station early
- Procedure to shorten race. Make it obvious!
- A completed race
- Accurate, legible score sheet - finish times, fleet designation
- 12 hour submission of score sheet to Barry

NEW START SEQUENCE – 3 STARTS



- Review Handout
- Formal incorporation of Corinthian Class to start sequence
- Same sequence + One
 - Corinthian Start "3" Flag
 - Class B Start "2" Flag
 - Class A Start "1" Flag
 - Rolling starts with 5 minutes between starts

NEW: STARTS AT POINTS B OR V



- Round Bay racers have often suffered from light winds from NW, N and NE
 - Starting from Linstead Pier results in wind shadows with even lower true winds
- Better windward/leeward alignment
- Stronger wind in river center.



Course Selection Matrix



- More course options for RC

Wind Direction (magnetic)	Courses							
	increasing wind velocity (knots)							
	0-2 kts	<< approx 2-5 kts >>		<< approx 5-8 kts >>		<< approx 8-12 kts >>		
N	postpone	BSB 0.92 nm	VEV 1.92 nm	VAVA 2.71 nm	VAVAV 3.61 nm	VACV 3.94 nm	VECSV 5.78 nm	VACBCV 6.69 nm
NE		VBV 1.14 nm	VSV 1.86 nm	VBVBV 2.28 nm	VSVBV 3.00 nm	VSCBV 4.71 nm	VSCSV 5.53 nm	VSCSVBV 6.67 nm
E		VNV 1.31 nm	ASEA 1.42 nm	VNVNV 2.62 nm	ASESEA 2.83 nm	VNESV 3.71 nm	VNESVNV 5.02 nm	VNESVNVNV 6.33 nm
SE		ABA 1.28 nm	ANA 2.40 nm	ANABA 3.67 nm	ANANA 4.79 nm	ANENA 5.23 nm	ANANABA 6.07 nm	ANENABA 6.51 nm
S		AVA 1.80 nm	AVSBA 2.93 nm	AVAVA 3.61 nm	ACA 3.88 nm	ACAVA 5.68 nm	ACVCA 6.08 nm	ACACA 7.76 nm
SW		BVB 1.14 nm	BVBVB 2.28 nm	BVSVB 3.00 nm	BVSVBVB 4.14 nm	BVSVSVB 4.86 nm	BVSVSVSB 5.68 nm	BVSVSVSVB 6.72 nm
W		AEA 0.73 nm	AESA 1.42 nm	AESEA 2.14 nm	AEBESA 3.22 nm	AEBVNVA 4.05 nm	AEBVNVBEA 4.98 nm	AEBVNVNVBEA 6.29 nm
NW		BAB 1.28 nm	BEB 1.81 nm	BEBAB 3.08 nm	BEBEB 3.62 nm	BENAB 4.16 nm	BENANB 5.29 nm	BENENB 5.73 nm

CORINTHIAN CLASS



- Why?
 - Foster competition through entire fleet
 - Earlier start = More boats finishing race
 - Consolidate race finish
- Impacts
 - A third start, which will be first start of the sequence (Class 3)
 - No changes to PHRF racing procedures, rankings or award determination
 - Opportunity to measure your race performance each week
 - Single year end award to class winner

CORINTHIAN CLASS FLEET



- **Class Qualifiers:**

- Flagfest
- Seamanna
- Spirit
- Fiona
- Lightfoot II
- Bermuda on the Bay
- Winsome Ride
- Blue Bayou

Corinthian Class

The new alternate definition of "yachtsman" as an amateur ("Corinthian") developed in Britain in the mid-nineteenth century and caught on in America. New Corinthian yacht clubs had fleets of small boats, and the rules required that they be raced only by Corinthian sailors who did all the work, had all the fun, and were paid not a nickel.

In this spirit, RBSA will put forth a Corinthian Class (Class C) comprised of boats who finished in the 50th percentile or lower in the prior sailing season Wednesday races. This class will be designated at the annual Skippers' Meeting and will compete for a single season long award. Each Wednesday night score, for boats in this class, will be applied to both the Wednesday Low Point and Corinthian Class standings.

This is not deemed a new or an alteration to existing RBSA rules or sailing instructions. It is an award to further competition within the fleet and encourage participation throughout the season.

Cumulative Corinthian class standings will be computed and posted online at the culmination of each of the four series.

- Qualifiers can opt-out and be scored in A or B
- New boats, or boats that did not qualify for 2018 HP, can opt-in

CORINTHIAN CLASS ALTERNATE SCORING



- Why an Alternate Scoring Approach?
- Round Bay Handicap Scoring (RBHS) Method Overview
- Training the Handicap Model
- Scoring for 2019 Season
 - New Scoresheet
 - New Corinthian Fleet
 - Initial 2019 Fleet Ratings

MOTIVATION FOR AN ALTERNATE SCORING SYSTEM/CORINTHIAN START



- Create a level playing field in Round Bay
 - The majority of slow boats are not sailing close to their PHRF rating in Round Bay
 - PHRF was not designed for the racing on Round Bay
 - Best finish in a Series for a “Corinthian” boat over the past two years was a 5th place for Flagfest
- The wind has a tendency to die in Round Bay during the race more often than not
 - Disadvantage for the slower boats that is not considered in PHRF TOD scoring
 - Results in a large number of DNF/TLE/DNC
- PHRF assumes Bristol race condition (clean bottom, new sails and experienced crew)
 - Exclusionary assumption that does not foster participation or fair competition
- Current approach often ends with a short race for the fast boats (~40min) or unfinished races for the slow boats
 - Slow boats can be on the water for 45min to an hour longer than the fast boats

Alternate Scoring: aims to make things more competitive and interesting for the slow boats
Corinthian Start: aims to get the slow boats around the course faster to compact finishes

ROUND BAY HANDICAP SCORING (RBHS) METHOD



- Derived from the Galveston Bay Cruising Association handicap scoring:

The GBCA Cruising Class was developed to give cruisers and less experienced racers a fleet to sail in. The club handicap system is based on a boat's actual performance rather than potential performance over time. It takes into account the condition of the boat (bottom, sails, weight, etc.) and the skill of the crew. The ratings are adjusted after each regatta or race in a series depending upon how the boat actually finished. Boats that finished at or near first place will see their handicap drop in the next race, those in last place or near last place will see their handicaps increase. Those in the middle will see no change. The idea is to provide close, competitive racing between boats that may have older sails, extra equipment on board, brushed-on bottom paint, novice crew, etc.

- Fundamental equations controlling the RBHS handicap rating:

$$\text{New Rating}_{\text{BoatA}} = \text{Current Rating}_{\text{BoatA}} - \frac{\text{Median Time Behind Leader} - \text{Time Behind Leader}_{\text{BoatA}}}{\text{Course Length} * \text{Speed Factor}}$$
$$\text{Speed Factor} = \frac{\text{Tuning Factor}}{\text{Median Elapsed Time}}$$

In essence, what this method does is compare the **corrected time** of **Your Boat** to the **corrected time** of the **Median Boat**. If **Your Boat** finishes far behind the **Median Boat**, **Your Boat** rating will be raised for the next race. If **Your Boat** finishes far ahead of the **Median Boat**, **Your Boat** rating will be lowered for the next race.

WHY APPLY RBHS METHODS FOR RBSA?

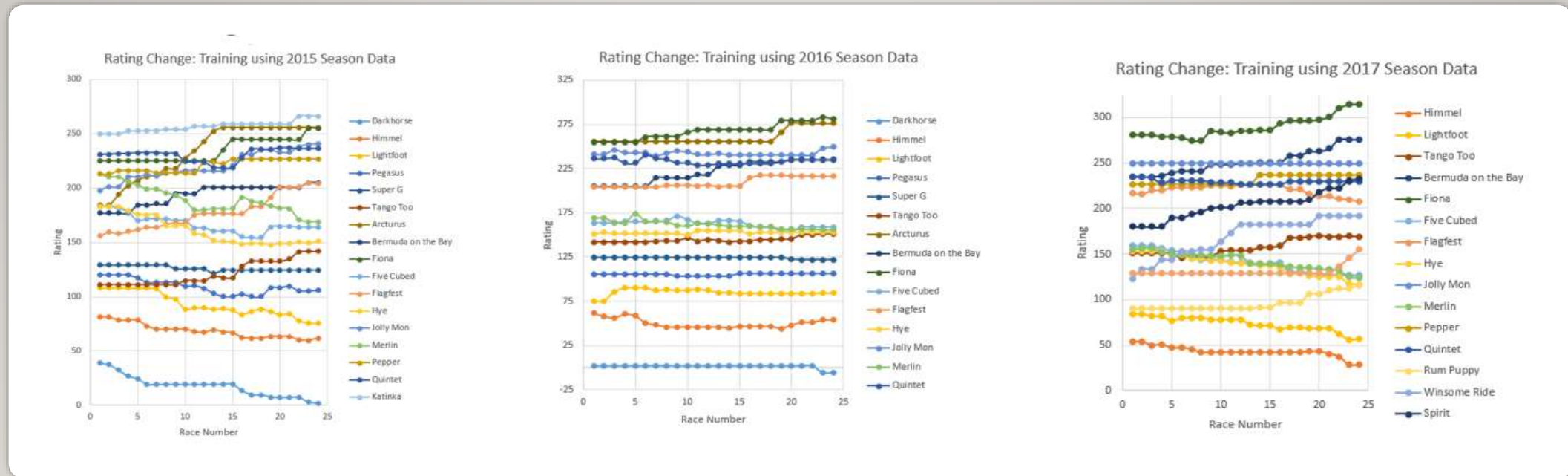


- This RBHS rating approach is much closer to the methods used in other sports where your handicap is based on your performance history instead of the equipment you own.
- Basically, instead of using a fixed, boat-based PHRF rating, this handicapping system compares how each boat performs relative to the average boat in the fleet and to their own past performance. If they beat the average of the fleet, and their own past performance, they score well in a given race. If they lag behind the average more than they usually do, they score poorly in a given race. This approach is therefore less equipment-based than performance-based, and provides a sound alternative way to view the results of a given race -- or series of races.
- This method also allows for ratings to adapt to changes in each boats sailing ability and changes to the fleet over time.
- While not a replacement for PHRF TOD scoring, it can be a helpful supplement.

ROUND BAY HANDICAP SCORING (RBHS) RATING



- RBHS ratings were trained for all RBSA boats base on historical data from the 2015-2018 Seasons



- Initial rating for 2019 Series I will be used to score the entirety of Series I races
- New fleet ratings will be generated and posted at the beginning of each Series to include the results of the previous six races

Poor/good performance during an individual race tend to have minimal effect on rating
Consistent poor/good performance will change rating

2019 RBHS SCORING



- Official RBSA PHRF scoring will still be used without changes for the whole fleet
 - RBHS scoring will be used for the official Round Bay Corinthian Class season high point award
-
- “Unofficial” Corinthian Class low point series scoring:
 - Two series of 12 races
 - 4 throws per series
 - RBHS scoring
 - Awards*:
 - 1st: Nice booze
 - 2nd: OK booze
 - 3rd: Free booze

2019 PHRF Race Results											
Date	Course	length:	C start	B start	A Start	Wind dir	wind spd				
5/9/2018	ANANA	4.79	18:21:00	18:21:00	18:26:00						
Boat	PHRF S	PHRF N	spin ?	status	Hcp/mile	start	finish	Elap. Time	Correction	C TIME	Place
Hye	183	198	Y	FIN	0:03:03	18:21:00	19:32:31	1:11:31	0:14:37	0:56:54	1
Five Cubed	183	198	Y	FIN	0:03:03	18:21:00	19:32:42	1:11:42	0:14:37	0:57:05	2
Revenge	129	145	Y	FIN	0:02:09	18:26:00	19:34:15	1:08:15	0:10:18	0:57:57	3
Merlin	213	235	Y	FIN	0:03:33	18:21:00	19:35:59	1:14:59	0:17:00	0:57:59	4
Tango Too	111	132	N	FIN	0:02:12	18:26:00	19:39:37	1:13:37	0:10:32	1:03:05	5
Lightfoot	108	129	N	FIN	0:02:09	18:26:00	19:39:31	1:13:31	0:10:18	1:03:13	6
Flagfest	156	176	Y	FIN	0:02:36	18:21:00	19:39:56	1:18:56	0:12:27	1:06:29	7
Seamma	129	145	Y	FIN	0:02:09	18:21:00	19:44:30	1:23:30	0:10:18	1:13:12	10
Spirit	180	200	Y	FIN	0:03:00	18:21:00	19:46:07	1:25:07	0:14:22	1:10:45	8
Bermuda on the Bay	177	197	N	FIN	0:03:17	18:21:00	19:49:12	1:28:12	0:15:44	1:12:28	9
Winsome Ride	123	138	Y	FIN	0:02:03	18:21:00	20:11:00	1:50:00	0:09:49	1:40:11	11
Anything Goes	254	269	N	DNF	0:04:29	18:21:00	DNF				

Fiona RC

2019 RBHS Race Results									
Whole Fleet						Corinthian Class			
Boat	RBHS Rating	Elapsed Time	RBHS Corrected Time	RBHS Time Behind Leader	* RACE PERFORMANCE *	Boat	RBHS Corrected Time	RBHS Time Behind Corinthian Leader	RBHS Finish Order
Hye	0.114	1:11:31	1:02:24	0:02:07	0	-	-	-	-
Five Cubed	0.129	1:11:42	1:01:24	0:01:07	-1	-	-	-	-
Revenge	0.092	1:08:15	1:00:56	0:00:39	-1	-	-	-	-
Merlin	0.108	1:14:59	1:06:24	0:06:06	3	-	-	-	-
Tango Too	0.167	1:13:37	1:00:17	0:00:00	-2	-	-	-	-
Lightfoot	0.059	1:13:31	1:08:49	0:08:31	5	-	-	-	-
Flagfest	0.206	1:18:56	1:02:28	0:02:11	0	Flagfest	1:02:28	0:01:17	3
Seamma	0.186	1:23:30	1:08:38	0:08:21	5	Seamma	1:08:38	0:07:28	4
Spirit	0.294	1:25:07	1:01:40	0:01:23	-1	Spirit	1:01:40	0:00:30	2
Bermuda on the Bay	0.339	1:28:12	1:01:10	0:00:53	-1	Bermuda on the Bay	1:01:10	0:00:00	1
Winsome Ride	0.372	1:50:00	1:20:16	0:19:59	10	Winsome Ride	1:20:16	0:19:06	5
Anything Goes	0.269	DNF				Anything Goes	DNF	-	7

* Race performance ranges from -10 to 10:

- Negative values indicate good performance as compared to your boat average
- "0" value indicates average performance as compared to your boat average
- Positive values indicate poor performance as compared to your boat average

*** If you have paid your RBSA dues***

2019 INITIAL FLEET RATINGS



Boat Name	Make/Model	PHRF		RBHS Rating (2019 - Series 1)		# Races in Rating
		Spin Rating	Nonspin Rating	Spin Rating	Nonspin Rating	
Darkhorse	J111	39	54	-0.006	0.009	16
Himmel	Dehler 39	84	99	0.021	0.036	50
Lightfoot	Olson 30	108	129	0.038	0.059	72
Pegasus	C&C 35-3	120	140	0.106	0.126	16
Revenge	J-27	129	145	0.092	0.108	42
Super G	J-27	129	145	0.122	0.138	5
Tango Too	Capri 30	111	132	0.146	0.167	63
Arcturus	Catalina 30	184	204	0.277	0.297	14
Bermuda on the Bay	Tartan 28	177	197	0.319	0.339	32
Fiona	Harbor 20	225	245	0.342	0.362	42
Five Cubed	Johnson 18	183	198	0.129	0.144	60
Flagfest	Pearson 31-2	156	176	0.206	0.226	63
Hye	Johnson 18	183	198	0.114	0.129	68
Jolly Mon	C&C 27-2	198	218	0.249	0.269	35
Merlin	Catalina 27	213	235	0.108	0.130	80
Pepper	Catalina 27	213	235	0.237	0.259	7
Quintet	Cal 25	231	251	0.229	0.249	37
Snagglepuss	Catalina 27	213	235	0.231	0.253	8
Katinka	Rhodes Ranger	250	280	0.266	0.296	8
Laughing Gull	?	225	245	0.233	0.253	6
Rum Puppy	J/105	90	96	0.113	0.119	23
Winsome Ride	Baveria C46	123	138	0.372	0.387	17
Spirit	Sabre 34	180	200	0.294	0.314	29
Seamma	J-27	129	145	0.186	0.201	12
Au Contraire	?	160	180	0.217	0.237	1
Blew By You	Harbor 25	166	186	0.280	0.300	2
Lightfoot II	?	176	196	0.245	0.265	10

If PHRF ratings need to be updated for your boat please let Ken Shuart know.

CURRENT BOARD - VOLUNTEER NOW!



- Commodore
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Wrap up

- Race Qs
- Questions