

OFF SOUNDINGS CLUB
Office of the Secretary
Southworth Company
West Springfield, Mass., April 29, 1946

Ninth Annual Spring Cruise & Races starting from New London
June 21st & 22nd 1946

We are enclosing herewith formal entry blank for the June races. Also a copy of our measurement rule, with full instructions. Please note carefully the instructions as to foretriangle and note on spinnakers.

To date 98 owners have signified their intentions of entering.

It is important that you send in your entry blank by return mail so the ratings and time allowances of all yachts may be worked out in advance and sent to you with the list of the other entries. Entries will close June 5th.

The entrants will be divided into classes when the formal entries have been received. Boats which in the opinion of the committee should be placed in the class for racing boats will be so classified. Stars 210's, 110's and certain others, at the discretion of the race committee will not be eligible to enter.

As usual there is no entry fee but the Entertainment Committee will not hesitate to accept 50¢ per crew member to help defray the liquidating expenses.

New comers to our Races will find that we run them in an informal manner. All right of way rules are strictly enforced.

We are continuing the additional handicap of 10% to former first prize winners and 5% to former second prize winners, beginning with winners in the June 1945 races.

The courses and distances are approximately as follows:

1st Day June 21st 1946

Long Course

Starting between Sarah's Ledge Buoy and the Committee Boat.

3.6 miles	SSE	Leaving Red N2 off Race Point to port
6.6 "	E X S	Leaving Mid-Channel Whistle Buoy to starboard
5.0 "	S $\frac{1}{2}$ E	Leaving Whistle Buoy "A" to starboard
4.2 "	WxN $\frac{1}{4}$ N	Leaving Cerberus Whistle Buoy to port
5.3 "	S $\frac{1}{2}$ W	Finishing between Bell Buoy off Montauk Harbor
24.7		and Committee Boat

Short Course

Starting between Sarah's Ledge Buoy and the Committee Boat.

5.3 miles	SSW $\frac{1}{4}$ S	Leaving Can Buoy #1 off Little Gull to starboard
2.1 "	SSW $\frac{1}{4}$ W	Leaving Constellation Rock Nun Buoy #2 to port
9.4 "	SE $\frac{1}{4}$ S	Finishing between Bell Buoy off Montauk Harbor
16.8		and Committee Boat.

Rendezvous at Montauk Yacht Club, Montauk Harbor where the entertainment committee will take over and where results will be announced.

2nd Day June 22nd 1946

Long Course

Starting between Bell Buoy off Montauk Harbor and the Committee Boat.

5.3 miles	N $\frac{1}{2}$ E	Leaving Cerberus gas & whistle buoy to port
8.9 "	W $\frac{1}{4}$ N	Leaving Ruins gas & bell buoys to port
6.7 "	SW $\frac{1}{2}$ W	Leaving Nun buoy #2 off Sag Harbor to starboard
4.0 "	NWbyN	Finishing between Bell #2 off Long Beach Point
24.9		and Committee Boat.

Short Course

Starting between bell buoy off Montauk Harbor and Committee Boat.

10.2 miles	NWxW	Leaving Ruins gas & bell buoys to port
7.4 "	W3/4S	Finishing between Bell #2 off Long Beach Point
17.6		and the Committee Boat.

Rendezvous at the Shelter Island Yacht Club, Dering Harbor where the entertainment committee will again take over and where results will be announced.

RACE COMMITTEE

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Long Course

Starting between Sarah's Ledge Buoy and the Committee Boat.

3.6 miles	SSE	Leaving Red N2 off Race Point to port
6.6 "	ExS	Leaving Mid-Channel Whistle Buoy to starboard
5.0 "	S $\frac{1}{2}$ E	Leaving "histle Buoy "A" to starboard
4.2 "	WxN $\frac{1}{4}$ N	Leaving Cerberus Whistle Buoy to port
5.3 "	S $\frac{1}{2}$ W	Finishing between Bell Buoy off Montauk Harbor and Committee Boat
<u>24.7</u>		

Short Course

Starting between Sarah's Ledge Buoy and the Committee Boat.

5.3 miles	SSW $\frac{1}{4}$ S	Leaving Can Buoy #1 off Little Gull to starboard
2.1 "	SSW $\frac{1}{4}$ W	Leaving Constellation Rock Nun Buoy #2 to port
9.4 "	SE $\frac{1}{4}$ S	Finishing between Bell Buoy off Montauk Harbor and Committee Boat.
<u>16.8</u>		

Rendezvous at Montauk Yacht Club, Montauk Harbor where the entertainment committee will take over and where results will be announced.

2nd Day June 22nd 1946

Long Course

Starting between Bell Buoy off Montauk Harbor and the Committee Boat.

5.3 miles	N $\frac{1}{2}$ E	Leaving Cerberus gas & whistle buoy to port
8.9 "	W $\frac{1}{4}$ N	Leaving Ruins gas & bell buoys to port
6.7 "	SW $\frac{1}{2}$ W	Leaving Nun buoy #2 off Sag Harbor to starboard
4.0 "	NWbyN	Finishing between Bell #2 off Long Beach Point and Committee Boat.
<u>24.9</u>		

Short Course

Starting between bell buoy off Montauk Harbor and Committee Boat.

10.2 miles	NWxW	Leaving Ruins gas & bell buoys to port
7.4 "	W3/4S	Finishing between Bell #2 off Long Beach Point and the Committee Boat.
<u>17.6</u>		

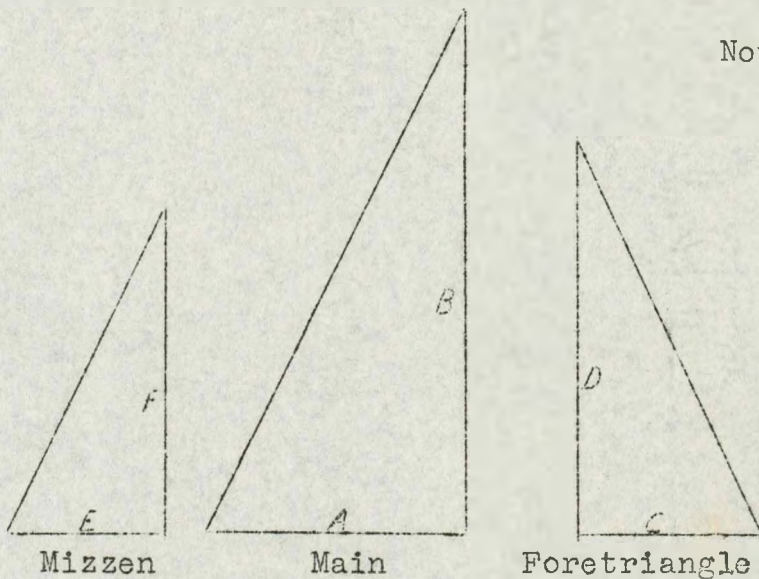
Rendezvous at the Shelter Island Yacht Club, Dering Harbor where the entertainment committee will again take over and where results will be announced.

OFF SOUNDINGS CLUB

ENTRY BLANK

Name of boat _____ L.O.A. _____ L.W.L. _____
Greatest beam _____ Rig (for rig allow.) _____ Prop. (feath'g or
solid; 2 or 3 blade) _____

Please fill in carefully and accurately the diagrams below.
Owners may use actual measurements taken, or may use those
in the boat's hull and sail plans.



Note: If spinnaker pole is longer than base of foretriangle or if the spinnaker is set above highest point of foretriangle as otherwise measured, it may not be used unless the length of the pole is given as base of foretriangle and height at which it is set is given as height of foretriangle in this entry blank.

If your hull was built for any racing or cruising class, give the name of the class _____.

Owner's name _____ Yacht Club _____

Owner's address _____

Mail to: Melvin D. Southworth, Secy.
Southworth Company, West Springfield, Mass.

THE OFF SOUNDINGS CLUB MEASUREMENT RULE

$$L = \frac{(2x \sqrt{\text{measured S.A.}}) \times \text{rig allow.}}{2.5}$$

"L" = PL (preliminary length) plus or minus beam correction. x prop. allow. = Rating Length

$$PL = \frac{L.O.A. + L.W.L.}{2}$$

Beam Correction - If the greatest beam on deck is less than 25% of the length overall, take 4 times the difference between the actual beam and 25% of the L.O.A. which will be added to the P.L.

If the greatest beam at deck is more than 25% of the L.O.A., then take 4 times the difference between the actual beam and 25% of the L.O.A. which will be subtracted from the P.L.

Measured sail area is the area of the Mainsail, + area of Mizzen, + 75% of the measured area between the masts on schooners, + 1.2 times measured area of the foretriangle.

In measuring the foretriangle C = the distance from the foreside of mast to intersection of the outermost stay on which any sail is set and the stem or bowsprit, D = the distance from the deck proper (not the cabin house) to the point of attachment of the highest halyard block on the mast or the intersection of the headstay and the mast, whichever is higher. (See note in entry blank regarding spinnaker pole length and height at which spinnaker is set).

In measuring Marconi mainsails and mizzen A or E = the extreme length of the boom to the mast proper. B or F = the distance from the top of the highest sheave in the mast or halyard block, to the upper side of boom when touching the lowest point of gooseneck.

Rule for Measuring Gaff Mainsails and Mizzen. Make your own diagram.

B = Length of boom measured from the after-side of mast to extreme outboard end.

G = Length of gaff, when lying on top of boom, measured from after-side of mast to outboard point of gaff.

H = The perpendicular measured along the after-side of the mast from the throat cringle of mainsail to upper side of boom.

To calculate the area, find diagonal (D) as follows:

$$D = 0.96 \text{ of } \sqrt{B^2 + H^2}$$

$$\text{Measured Area of the gaff sail} = \frac{(B \times H) + (G \times D)}{2}$$

Rule for the Measurement of the Area between the Mast of Schooners

B₁ = The distance at the deck between the foreside of main mast and the after side of foremast.

P₁ = A perpendicular measured along the after-side of foremast from the top of highest halyard block used for sails aft of the mast to the upper side of boom when resting against the lower part of gooseneck.

P₂ = The perpendicular measured along the foreside of main mast from the top of highest halyard block used for sails forward of the mast to the upper side of the boom of the foresail when resting parallel to the deck against the lower part of gooseneck.

$$\text{Measured sail area} = 0.75 \left(\frac{P_1 + P_2}{2} \right) \times B_1$$

PROPELLER ALLOWANCE

97% for feathering
94% for 2 blade solid
92% for 3 blade solid

Marconi Sloops - 100%
Marconi Yawls - 93%
Gaff Sloops - 90%
Staysail Sch. - 92%
Marconi Ketches - 78%

RIG ALLOWANCES FOR THIS RULE

Gaff Yawls - 77%
Marconi Sch. - 77%
Gaff Sch. - 74%
Gaff Ketches - 72%
Cat type yachts - specially handicapped