



**Fraser Squadron 2020 January Fairlead.**

## **Membership**



As a member of the Canadian Power and Sail Squadrons there is a long list of perks for **YOU!**

Okay, I have your attention and I have about ten seconds to keep your attention, here goes the elevator version of why you should renew your Fraser Squadron membership.

[Read more](#)

## 2019 Christmas Party

As always, 2019 Christmas party was a great success. Good food, good company and as always great entertainment!

Here are few picture from the event.







## Fraser Power & Sail Squadron – 2020 Spring Courses

Canadian Power & Sail Courses Offered by Fraser Power & Sail Squadron

### **Boating Essentials - (Combined Boating Courses 2 & 3)**

**Course starts:** 7 pm, Wednesday, January 29, 2020

**Course Dates:** 14 evenings from 7 to 9 pm, from Wednesday, January 29 to April 29, 2020

**Note:** Course may be extended due to the Spring Break period.

**Location:** Richmond Yacht Club, 7471 River Rd, Richmond, BC V6X 2W4

The PCOC (Boating 1 Course) makes sure you have immediate navigation and safety skills but it's just the beginning of what you should know when you get on a boat.

This course combines the material in the Boating 2 (Beyond the PCOC) and Boating 3 (Introduction to Navigation) Canadian Power & Sail (CPS-ECP) courses to provide more in-depth knowledge of boating on local waters.

This course includes global positioning and charts, the magnetic compass, conning, electronic navigation, handling a boat under power, ropes, lines and knots, anchors and anchoring, tides and currents, weather, etc. This course further explores navigation as you learn how to plot and label on paper charts as well as what the skipper should be doing before setting out and when under way, handling a boat under sail as well as your environmental responsibilities and electrical hazards, etc.

Recommended prerequisites: Boating 1 = Boating Basics (Pleasure Craft Operator Card, PCOC)

Price – non-member of CPS-ECP: \$365 per person; \$157.50 for 2nd person at same address

Price – member of CPS-ECP: \$328.50 per person; \$141.75 for 2nd person at same address

[Click here for more](#)

# Truly inspirational



This is just a great story and shows what we can achieve when we put our minds to things. Jeanne Socrates, originally from Lymington in England, just finished a solo, non-stop circumnavigation via the five great capes, those being (in the order that she rounded them) Cape Horn at the tip of South America, Cape Agulhas in South Africa, Cape Leeuwin in Western Australia, South East Cape, the southernmost point of Tasmania, and South Cape which is located on the southern part of Stewart Island, New

Zealand.

Ok so that's a pretty monumental achievement but let's add to this her age. Socrates is 77 years old and even better, this was not the first time that she has done that trip. Back in 2013 she became the first woman to sail solo, nonstop around the world from North America, and also the oldest woman to sail solo, nonstop around the world, a record that was noted in the Guinness Book of Records.

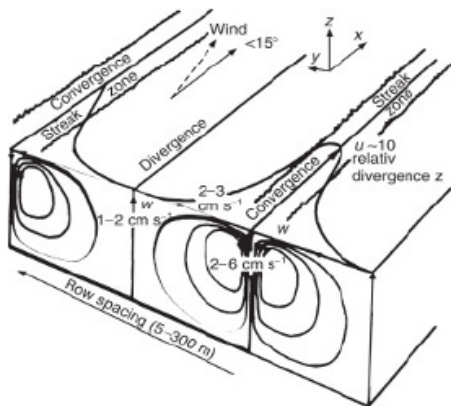
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# Langmuir lines

Have you ever wondered what causes those foamy lines on the surface of the water? These lines are known by various names such as wind streaks or windrow. Sometimes the lines will stretch for kilometers and carry seaweed and flotsam as well. The lines have been observed for centuries but it was not until 1927 when a Nobel laureate named Irving Langmuir, was able to explain this natural phenomenon. The story goes, that while crossing the Sargasso Sea,



Langmuir observed these lines on the surface of the water and was later able to explain the physics behind them. Langmuir was able to determine that these lines were created by wind moving at greater than 7 MPH across the surface of the water. The wind's movement causes friction between the wind and the water's surface. This creates a shear force which causes the water to move in a vertical circular motion within a few centimeters of the surface. Two circular motions, one clockwise and the other counterclockwise converge in the center forming a streak or line. This is where air bubbles and floating materials can get trapped which form the long lines. It is interesting to note that the lines are relatively evenly spaced and can extend for miles.



Another interesting fact about Langmuir lines is, during WWII, if pilots lost their instruments or bearings on their return leg, they were instructed to follow these lines as they would usually take them in a North-West direction. So, the next time you see these streaks in the water remember Irving Langmuir and complicated physics that created them.





# See a BLOW? Go SLOW!

*It's a Matter of Boater  
and Whale Safety.*

- Whale sightings are frequent in this area.
- **Collisions happen** causing injury to boaters and whales.
- Whales, especially Humpbacks, can **surface suddenly** and be very **unaware of boats**.
- Be on the lookout for blows at all times.
- **Go slow if you see a blow.**
- The **Whale Watch Flag**, when raised on boats, warns whales are near.
- **Give whales space**, at least 200m but consider whale size and behaviour for safe distance. Know the **Marine Mammal Regulations\***.
- Be alert for aggregations of birds. This often means there is a lot of feed and thereby an enhanced chance of whale presence.
- Please report incidents e.g. disturbance, collision and entanglement to **DFO's Reporting Line 1-800-465-4336** or Coast Guard VHF 16.
- See **[www.SeeABlowGoSlow.org](http://www.SeeABlowGoSlow.org)** for more information. Includes **\*Marine Mammal Regulations**, areas of known whale density, what to do in case of whale entanglement, and **Be Whale Wise** guidelines.



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## Fraser Squadron Regalia



Fraser Squadron Burgee - \$30.00  
Fraser Squadron Cap - \$15.00  
Fraser Squadron Pins - \$ 2.50  
Fraser Squadron Blazer Crest Tuck-in - \$15.00

CPS-ECP Neckties - \$20.00  
CPS-ECP Scarf - \$10.00  
CPS-ECP Small Crest - \$ 2.50  
CPS-ECP Flags - \$28.00

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