



Fraser Bridge Officers

Commander - Byron Buie
604-271-7938
Executive Officer - Dave Mellis
604-946-0091
Training Officer - Kathleen & Paul
Vanderwood
604-946-4184
Asst. Training Officer
Nan Lockie
604-943-0694
Asst Training Officer Murphy NI
778-835-3955
Treasurer - Cleve Pryde
604-943-3536
Administration Officer Meredith
Williamson 604-946-0091
Secretary - Gouri Chinnappa
604-948-2188
Web Master - Bob Everson
604-271-2551
Membership Officer Vidas Vitkus
604-948-2188
Assist training officer
Li (Tad) Xinhe
604-281-2188
Port Captain - Bob Juulsen
604-946-0936
Supplies and training aids
Bill Hawryluk
604-270-2946
Cruise master Peter Lefroy
604-271-5240
Regalia Officer Donalda Buie
604-271-7938
Communications Officer
Colin Redwood
604-943-1680
Public relations Officer Jan Muller
360-945-0895
Environment Officer Les Muller
360-945-0895
Multi Cultural Officer
Jack Tang 778-919-0723
Rose Easthom
special projects officer
Past Commander Rick Easthom
Fairlead Editors R&R Easthom
604-946-8389

Commanders Comments

Commanders Comments

It is the time of the year when we are getting our boats ready for the boating season and I think it is a good time to talk about our Squadron its activities and very group of dedicated volunteers who help support Fraser Squadron and it's programs.

First I would like to say thank you to our newest volunteers as we have four new members who are now part of our squadron bridge and we look forward to working with them.

I think that we sometimes lose focus that the Squadron bridge, and those that help in our programs are made up of a group of very talented volunteers who come from many different backgrounds. Some are retired, and while they can be making plans to travel or to spend more time with their families. Others are still working and raising families. But they all still find time to volunteer for Fraser Squadron, and last year our volunteers put in over 2000 hrs!

The heart of any Squadron is the training department which is supported by all members of the bridge as our Training Officers must make sure that they have instructors/proctors for each program, make sure they have enough course material on hand, facilities to run them in, arrange for advertising, collect the fees, arrange for a District Training Officer to help with the exams, and once he/she has graduated they then have to enter their information at CPS-ECP so that the students receive their certificates etc. This all takes a lot of time and hard work.

Then we have a very dedicated group of volunteers who instruct & proctor our English and Chinese programs who even before the classes start must do a lot of preparation.

But it is not all work, and we do have several social activities throughout the year which are put together by members of our bridge including our Xmas Party, social get togethers & great cruises.

This also is a very special year for your Squadron as we are celebrating our 50th anniversary with some very special activities including float entries in the May Day Parade in Ladner on May 25th, and July 1st Canada Celebrations in Richmond at the Steveston Salmon Festival, and we invite you to join us to commemorate this event.

So we will now be taking a few months off to go boating, and why not join us on three great cruises that our cruise master has planned for us to Granville Island July 4th - 6th, Telegraph Harbour July 25th - 27th & Desolation Sound August 22nd to Sept 1st.

Have a safe, courteous, and green boating season.

ANNUAL GENERAL MEETING A RESOUNDING SUCCESS

A quick summary of the attendees included:

thirteen Past Commanders with tenures dating back to 1974 included the following:
PC David Williams, PC Norman Dyck, PC George Schurman, PC Brian Smith, PC Rand Lutman, PC Dave Bauer, PC Lindsay Smith, PC Harry Cole, PC Edwin Lockefer, PC Bob Juulsen, PC Jim Bryant, PC Bob Everson, PC Rick Easthom

three Past District Commanders
PDC Norman Dyck, PDC Dave Bauer, PDC Harry Cole

two past Chief Commanders
PCC Norman Dyck, PCC Harry Cole

one original signator of the Fraser Squadron warrant
Robert Meggy



**past Commanders
attending our 2014 AGM
50 years**

**New
2014 Bridge**

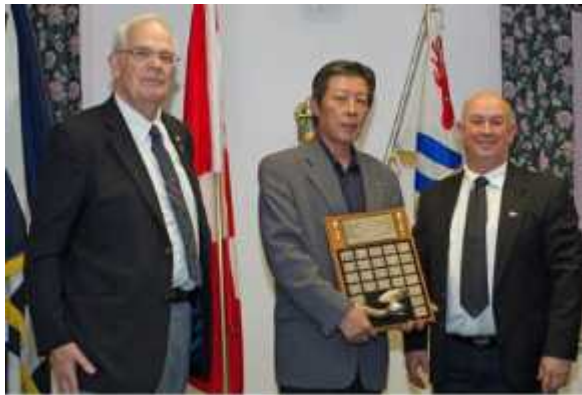




Brimble and Curran
award
presented to
Rick Eastham



Stuart Church
Award
Presented to
Bob Juulsen



John Murray award
presented to Jack
Tang

Jack Tang opens larger class room facility April 16th.

We have moved into a larger class room at Westcan Yacht club. Jack has donated the space to Fraser Squadron for classes and events. Thank You Jack for your continued support



Westcan Yacht Club celebrates a graduation May 31 2014.

Graduation ceremony and cruise on the MV C OUTLAW

We had a full house for a lovely day on the water on a lovely boat.

Our day started at Granville Island where we boarded all the students and guests. We cruised from there to Coal Harbour. We had a buffet lunch then the grad ceremony. The sun was brilliant and the waters were rippled. Congratulations Jack on your continued success. Jack is currently teaching full classes through the summer.

C Outlaw displays a banner promoting CPS Fraser Squadron PCOC classes in Mandarin

May 09 2014 Grad

We had an great turn out to the grad ceremony at the Ladner Yacht club. We combined the fall and spring class for this event.

Thank You Shirley Shea District commander PMD for attending and assisting in the ceremony.

Thank you to Rand Lutman for his presentation on local waters.

Fisheries and oceans Canda has published Changes to light on charts.

go to www.notmar.gc.ca

you will be able to key in your chart number and any changes will come up with the position and markings.

Automated Radio Check Service

We all know that having a functioning VHF radio on board is a necessity. Checking your radio to ensure it is working should be done every time you go out boating. In the past you used to need to make a radio check request and wait for a response, but no longer!

Now you can do it yourself with Sea Tow's Automated Radio Check Service. Provided as a FREE public service to boating communities nationwide, Sea Tow's innovative Automated Radio Check Service reduces the volume of non-urgent communications traffic on VHF channel 16, the international hailing and distress channel, while still allowing you to perform the check to ensure that your radio is functioning properly.

It's simple to use:

Automated Radio Check Service uses one of VHF channels 24, 26, 27, 28. Simply tune your radio to the proper channel for your community.

Conduct a radio check as you normally would.

Upon releasing the mic, the system will replay your transmission, letting you hear how you sound.

Fraser Squadron 2014 Cruise plan

By Peter Lefroy

The Boating Weather has been great make sure to book and let Peter know if you are coming 604-271-5240



Back by popular demand July 04-06 Granville Island / False Creek

This popular anchoring cruise has been a hit now for several years as some members have been able to attend by boat and those that could not make it by boat are welcome to attend the Saturday 6 PM evening dinner at Bridges Pub. This an anchoring cruise so Call Peter and let him know you are planning on joining the group. Also make note you can call him on VHF his boat name is NAVABENCHA THIS WILL HELP YOU FIND THE GROUP. PETER'S HOME NUMBER IS 604-271-5240 JOIN US AND SEE VANCOUVER FROM THE WATER.

Telegraph harbour at Thetis Island marina

July 25th to 27th Boaters must contact marina to reserve.

We will have a pot luck dinner and other activities. Hope to see you there.



Desolation Sound Cruise August 22 to Sept 01



Desolation sound.

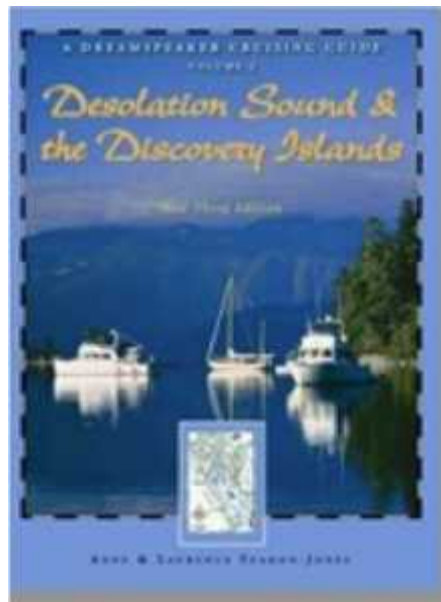
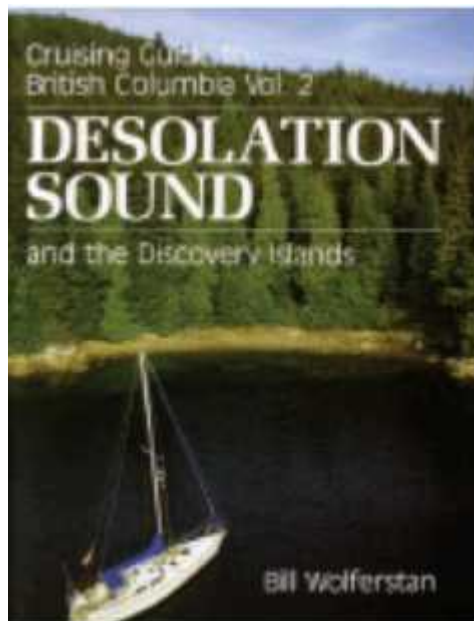
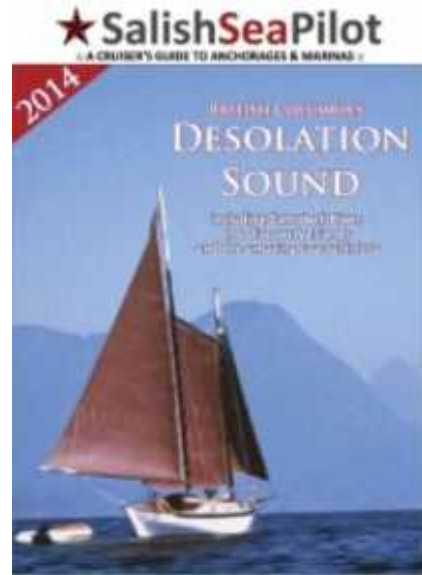
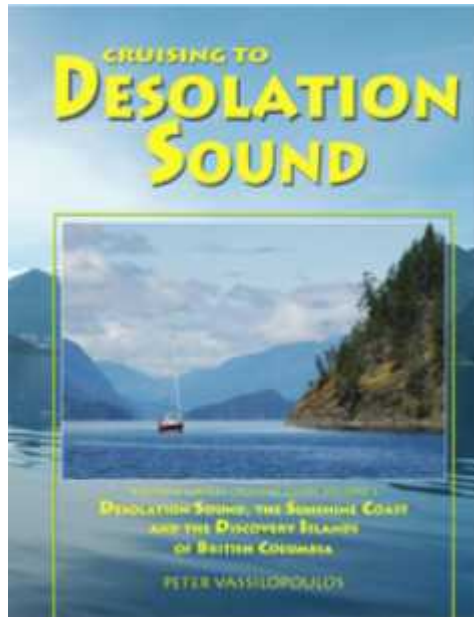
We have been talking about this for years and we are going to do it. We will meet at Pender Harbour, Garden Bay Hotel August 22.

Let us know if you are going to join us, we will have some fast boats and some slow boats and some sail boats, so we will have a planned cruise each day and will travel in groups.

You are welcome to join us and you can stay longer if you wish, We pick the later date in August to try to miss the crowded anchorages. Call Peter 604-271-5240 and let him know you wish to join us on this spectacular Cruise. Peter's boat is NAVABENCHA you can call him as you arrive in Garden bay on your VHF Radio.



Some great books on Desolation sound



Jim Poirier's Great Adventure



Jim left La Paz March 4th.
Here are some notes from Donna keeping us
abreast of Jim's progress.

May 16th

Progress has been slownot much wind ...and
sometime at a standstill. It
looks like they had a bit of breeze in the last 24
hours. I heard him on the
Net a few nights ago...said they were hot and
sweaty...but still afloat. At
this rate, their ETA of 2 weeks looks a little shy.
But they are inching
along in the right direction ...that's what counts :)

May 27th Just got a skype from Jim who met some friendly natives (Carolyn and Terry) that cooked them
lunch. Said it is a beautiful island and beautiful people all 60 of them!!!
They expect to be in Bounty Bay, Pitcairn until Thursday morning / evening. They will head off to Gambier
Island, about 300 miles west before heading northerly to the Marquesas. All is well with Jim and
Karmin ... both very glad to get their feet on terra firma!! They've had some sail issues but repairs will have to
wait until the Marquesas. Estimated time for arrival in Hawaii is now August 10th .it all depends on the wind
Gods!! Jim said that he has been sending out the SPOT twice daily, but I haven't received one since May
22nd. We were told when we bought it that the coverage could be a little sparse waaaaay down south!
At any rate, our sailors are still afloat and still talking to each other J
If I get any more information, I will pass it along.
Donna

June 2nd - Just spoke with Jim, they are anchored safely on Mangariva in Rikitea after some great sailing and
wanted to advise all is good and they are going to get some rest. No wifi yet but looking for some to be able to
skype etc ...Karmen is ashore having fun, they caught a huge Mahi Mahi just before arriving and their new friends
for Pitcairn are arriving there next day or so, so things are good and getting better."
I heard Jim on the Net last night and I thought he said their "catch of the day" weighed in at around 55 pounds!
Hope they find wifi tomorrow
Donna

June 13th - Talked to Jim on Wednesday via skype and he said he was hoping to leave Thursday afternoon ... By
listening to the Seafarers Net last night, it looks like they are Marquesas-bound. It was kind of hard to hear the Net,
but he is moving! They were motoring last night - don't know if there was a lack of wind or if they were
just motoring to pick their way through the "landmines" of atolls. Said they had a good rest in Rikitea and
enjoyed good camaraderie with other boaters.
Next stop - Fatu Hiva which is about 750 miles almost directly north. Then Oa Hiva. And finally to Nuka Hiva
where he is hoping to get some sail repairs done. Sometime in July they will head for Hawaii!! Yipee! But I'm not
booking my ticket until I know that they are departing Marquesas.
And it doesn't look like the SPOT is working hopefully as they head north

Donna



From the training department Fall 2014
Mark these dates on your calendar

Boating Basics - Fall 2014 - Richmond

Dates: Tuesday, Sept. 16, 23, 30, Oct. 7, 2014

Fee: \$125 individual registration
\$ 50 for 2nd person of a family

Boating Basics - Fall 2014 - Ladner

Dates: Thursday, Sept. 18, 25, Oct 2, 9, 2014

Fee: \$125 individual registration
\$ 50 for 2nd person of a family

VHF Maritime Radio - Fall, 2014

Saturday September 27, 2014

1 day; 8:30 am to 34pm

Price:

Members: single: \$100; couple: \$125; DSC only: single \$50, couple \$75

Non-members: single: \$110; couple: \$135; DSC only: single \$60, couple \$85

DCS Endorsement Only

VHF Maritime Radio - DCS Endorsement Only

Taken as part of VHF (M) Courses as offered by Fraser Squadron.

Course date: 1/2 day for DSC on September 27, 2014.

VHF Maritime Radio - Fall, 2014

Saturday, November 15, 2014

1 day; 8:30 am to 34pm

Price:

Members: single: \$100; couple: \$125; DSC only: single \$50, couple \$75

Non-members: single: \$110; couple: \$135; DSC only: single \$60, couple \$85



Fall Training continued



DCS Endorsement Only
VHF Maritime Radio - DCS Endorsement Only

Taken as part of VHF (M) Courses as offered by Fraser Squadron.
Course date: 1/2 day for DSC on November 15, 2014.

Boating Essentials - Ladner - Fall, 2014

Boating Essentials

"Boating Basics gets you out there; Boating Essentials brings you back safely"

7 Thursday evenings beginning Thursday, October 16, 2014

Price: \$250.00 individual registration;
\$175.00 2nd member of family
**Package offer (see description below):
Price: \$290.00 individual registration
\$175.00 2nd member of family

Prerequisite: Boating Basics course.

Boating Essentials - Richmond - Fall, 2014

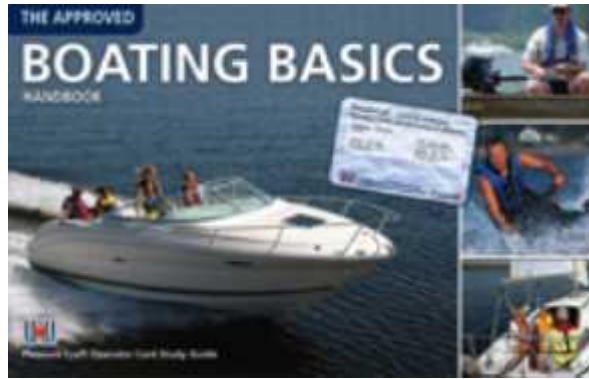
Boating Essentials

"Boating Basics gets you out there; Boating Essentials brings you back safely"

7 Tuesday evenings beginning Tuesday, October 14, 2014

Price: \$250.00 individual registration;
\$175.00 2nd member of family
**Package offer (see description below):
Price: \$290.00 individual registration
\$175.00 2nd member of family
Prerequisite: Boating Basics course.

1 DAY Classroom Course



Fraser Squadron - Fall, 2014 Courses

Boating Basics in 1Day - Fall 2014 - Richmond and Ladner

Registration Date: Thursday, Sept. 18, 2014
1-day class and examination date: Saturday, Oct. 4, 2014

Fee: \$125 individual registration
\$ 50 for 2nd person of a family

**see package offers below

Boating Basics covers the minimum requirements for the Pleasure Craft Operator's Card (PCOC). The Manual, CD and Transport Canada examination are provided as part of this course.

This course consists of 2 weeks of instructor guided self-study followed by 1 day consisting of the in-class review and the examination.

An ebook version of the manual is available, be sure to register for the ebook version if you prefer an electronic manual.

We also sell the Boating Basics manual for self-study and can provide the PCOC Transport Canada exam on request.
Package Offers

** 1. Fraser Squadron package offer: the Boating Basics course AND the Boating Essentials course for the price of \$290 for an individual and \$175 for the second person at the same address. This offer includes a \$10.00 coupon (one per family) for our Squadron fall, 2014 or spring, 2015 seminars plus a \$20.00 coupon (one per family) towards the VHF Marine Radio Course offered this fall or in the winter or spring of 2015 ..

** 2. Fraser Squadron package offer: for a couple (2 people sharing the same address and sharing the course materials): the Boating Basics course AND Boating Essentials course AND VHF Maritime Radio course for the price of \$500.

Contact the Training Officer at 604-786-5678 for more information or to pre-register.

On Saturday May 17th

Dedication ceremony for the newest lifeboat for the Canadian Lifeboat Society It was very well attended by MLA's, MP's, local government officials, and other dignitaries.



**Fraser Squadron at the Ladner May Days Parade.
We will also be at the Steveston July 1 'st parade**

photos to be inserted

Installing a new heating system by Dave Mellis,

Executive Officer, Fraser Squadron

March 2014 When we purchased our Mainship 400 a couple of years ago, it came equipped with two reverse cycle climate

systems. This type of HVAC system (Heating, Ventilation, and Air Conditioning) allows you to heat the boat as well as provide air conditioning to cool during hot summer days. This is a common type of HVAC system for boats that are constructed in the southern United States. They do a reasonable job of heating and cooling, however in the cooler waters of the Pacific Northwest, air conditioning is rarely needed. I knew that eventually I would want to change out the reverse cycle system for a more effective heating system that would run on the boat's diesel tanks rather than the noisy generator. My research led me to several models of diesel operated heating systems but there are two basic types: forced air and hydronic. Forced air uses a diesel fired heater that draws in fresh air, heats the air and blows it to various areas of the boat through ducting. Hydronic heat systems use water heated by a diesel fired boiler or the engine, then pump it through hot water pipes to registers throughout the boat where the heated air is released. Of the two systems, I believe the hydronic method is more efficient and provides even heat, however, the cost is significantly higher than the forced air system. On boats of 45 feet and larger, hydronic heat systems are the norm.

Due to the size of my boat, (40 feet), I focused my search on forced air systems. This led me to manufacturers commonly used in boats of our region, Webasto, Espar and Wallace. I looked at several features such as BTU (heat output), availability of product, parts and service, ease of installation and overall cost. I also interviewed a number of fellow boaters who are using the noted manufacturers to see how satisfied they were with their heating systems. Every system has its little quirks: noise level, physical size, heat output and fuel consumption. The most important factor when considering a heating system, is to put in the time to qualify which manufacturer is best suited for your boat. My top concern was not to under size the heating unit.

Remember, when you are on the hook at beautiful anchorage during the winter months or early/late in the boating season, it's no fun if your heating system can't keep you warm!

In the manufacturers' literature there will be a guide for the heater model best suited for the length of your

boat. Remember, this is only a guide, not gospel. I learned this courtesy of a couple of boaters who installed heaters that, although the specification sheet said the system would work with their size of boat, the heating system barely kept them warm when at maximum output. Never undersize a heating system! If the spec sheet says you are near the upper limit of heater recommended for your boat, choose the next larger size. It's worth the additional cost. After all, you can always turn the heat down but you can't turn it up if you're already at maximum output.

After weighing all the factors, I selected an Espar Airtronic heating system for my boat. It had the BTU output I wanted, is a very reliable, low on fuel consumption, reasonably priced and was readily available. I purchased the unit from Cool-it Truck in Langley, they gave me a great price and all the parts I needed to do the installation. The unit is exactly the same unit that heavy trucks use to heat their sleepers, however, you do need to order the marine kit, which also gives you the stainless exhaust fittings. It was important to me that I do the installation myself. Not only did I want to save money but more importantly, I wanted to understand how the system worked and have an idea of how to troubleshoot it should there ever be a problem.

The next step was planning how and where to install the heating unit and the ducting needed to carry the heat throughout the boat. This was probably the most time consuming step and requires careful planning. Critical items to consider which will dictate where the unit has to be located, is the length of air intake and exhaust pipe, location of the fuel pump to the fuel tank, length of ducting required and how it is to be installed. As a mechanical contractor specializing in pump systems, I knew that one of the critical considerations was how to install the air ducting with a minimum of friction loss to the air flow. Too many elbows, Y's and fittings on the air duct create resistance to air flow which will reduce the efficiency of the heating system and could create an

Installing a new heating system Continued

unacceptable temperature rise in the heating unit. This could lead to the unit shutting down or damage to the unit. I decided to use the largest ducting size my vendor could supply in order to reduce the friction loss and use as few fittings in the ducting as possible. With all these factors under consideration, I determined that I would locate the heating unit in a service compartment with the hot water tank, under the lower helm. It's centrally located in the boat which reduced the length of the ducting and gave me good access to the unit should service be required in the future. Additionally, it gives me good access to the fuel tank, exhaust venting and air intake location.

My next step was planning on how I would run the new ducting to the salon, bedrooms and bathroom. This was probably my biggest challenge. I could follow some of the old ducting routes after I pulled that out but I would also have run some new routes as now all the heat was coming from a single source. In addition, I had to plan all of this with the shortest routes possible with the least amount of elbows and Y's. You must also keep in mind that the ducting needs to be mechanically protected from crushing or punctures as it is quite lightly manufactured. Anywhere the ducting is exposed it should be "boxed in". All duct fittings should be fastened to the duct with securing screws and joints wrapped with an insulation tape to prevent warm air leakage. Believe me by the time you have drilled several 95 mm holes through bulkheads and the back of cabinets, you will have a much better understanding of how your boat was constructed!

It is very important that you install both the air intake and exhaust properly. The Marine Kit from Espar includes the stainless steel exhaust through-hull which must be installed high enough above the water line and away from outside windows or doors so the carbon dioxide fumes will not enter the boat and must not be too close to the air intake to be drawn in. In addition, the exhaust pipe, although small in diameter (24 mm) is very hot and should be isolated so that it will not contact anything combustible or be damaged by the heat. I covered mine with an asbestos sock and then constructed a cement board wall to isolate it.

Heating unit installed in floor compartment Exhaust muffler & pipes isolated by cement board wall
In all, it took about 25 hours for the complete installation. The Espar Airtronic unit and controller were pretty easy to install. Almost plug and play. Once I was ready to turn the unit on, a press of the button on the control panel started the diesel pump which primed very quickly and the Airtronic started blowing heat out of the vents throughout the boat! The unit works very well and my wife and I are extremely happy with it.

If you are considering installing heating system on your boat, these are my recommendations:

- 1.) Take the time to thoroughly research the various heating systems available to you
- 2) Do not undersize the heating unit for the sake of a few dollars!
- 3) Plan carefully where and how you are going to install the unit and ducting with a minimum amount of duct and fittings.

I found the entire project challenging but very satisfying. I learned a lot about heating systems and even more about my boat. If you want to take advantage of winter cruising in warm comfort and up for a challenge, look into installing your own heating system.



ROYAL CITY YACHT CLUB is an active club whose emphasis is on cruising and building a community within and without the club. Organized cruises begin as early as New Year's Day and continue throughout the year. Land events also occur, beginning with the Commodore's Ball in January and ending with a Christmas social when we support the Delta Christmas Toy Drive.

Don't let our name fool you. Just because it starts with Royal City it doesn't mean we are located in New Westminster. In fact we do not have an exact location. We normally meet in Delta but we have members from all over the Lower Mainland who are attracted by our low annual dues, and our benefits like the Outstations, Reciprocals and the many activities and social events. We jokingly refer to ourselves as the Greater Vancouver Cruising Club because of this and the fact that our emphasis is on cruising events. Unlike most yacht clubs, do not have a costly club house to maintain and/or docks. We are low on protocol and high on fun.

Boat for sale

**27' TREND C.B.
single IOB leg (Volvo)
sleeps 4 - 6
new wiring plumbing hoses clamps, gas pump plugs etc.
Manifolds gaskets all done in 2013 (over \$5000.00 in upgrades)**

Call Peter Leaf 604-943-7916 or 604-202-3140

**Other than that
how was your fishing trip**

