
COLLINS MIXER

Collins Bay Yacht Club Newsletter



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Commodore's corner



HAPPY EASTER!

April is fast approaching and it's time to get back into shape. Personally, I know that my first two weeks with the crane team will be tough ;-)
My muscles are going to suffer.

Speaking of muscles, I've just heard about **Myokine**, discovered in 2003; 'A myokine is one of several hundred cytokines that are produced and released by skeletal muscle cells (muscle fibers) in response to muscular contractions.' I hope to produce large quantities in April and May to take advantage of the season on Garuda.

On another note, we're pleased to present the club's calendar of activities for the 2024 season.

Have fun preparing your boats!

Gilles Brunet - CBYC Commodore

From The Helm

We are busily preparing for the upcoming launch and summer season!

Launch begins April 12th, which is only a few weeks away 😊

We hope to be able to open the washrooms by mid-April.

A friendly reminder for the beginning of launch and for the first few weeks of launch: while there are still a lot of boats on the hard; please don't park in the yard, by your boat, but rather park on Coverdale or by the office, so you won't be in the way of the crane and delay someone's launch! If you require assistance to carry anything to or from your car, please see anyone of the crew and they will happily assist you as soon as they are able to!

Don't forget! As soon as your boat is launched to remove your cradle pads and unlock anything attached to your cradle so nothing will be damaged when the cradles are moved into storage and take home for safe keeping! Don't leave your cradle pads on the cradle!

Launch is a good time to renew old friendships, make new ones, so come prepared and enjoy the day!

Complementary coffee begins mid-May every Friday, Saturday and Sunday mornings at the gazebo!



We are looking forward to a great season and seeing everyone soon!

Don't forget your reusable cup!

Gerry and Lori

CALENDAR 2024

APRIL

12 CBM LAUNCH BEGINS

MAY

11 CBYC WINE & CHEESE - MEET & GREET
(members only & potential new members)

COMPLIMENTARY COFFEE every Friday, Saturday and Sunday mornings at the gazebo! (Open to all)

17 WEAR YOUR LIFE JACKET AT WORK DAY
(National Safe Boating Week) (open to all)

JUNE

12-26 DROP-IN GAME NIGHT (Euchre, Cribbage, Backgammon) (members only)

15 CBM SAFETY DAY (open to all)

15 CBM CUSTOMER APPRECIATION DAY & BBQ (open to all)

15 FAMILY MOVIE NIGHT (open to all)

15 LONG DISTANCE - AMHERST ISLAND CHASE RACE DAY (members only)

22 SAIL PAST (members only)

22 ST-JEAN-BAPTISTE DAY

CALENDAR 2024

JULY

- | | |
|---------|---|
| 29 -1 | CANADA DAY EASTWARD CRUISE
(members only) |
| 1 | SAILING SCHOOL START (registration
required) |
| 10&24 | DROP-IN GAME NIGHT (Euchre,
Cribbage, Backgammon) (members only) |
| 11 - 14 | <u>EYC 2024</u> SODUS BAY YC (NY)
(registration required) |
| 20 | LONG DISTANCE RACE DAY - SIMCOE
ISLAND (members only) |

AUGUST

- | | |
|-----|--|
| 3-5 | CIVIC HOLIDAY WESTWARD CRUISE
(members only) |
| 10 | CHATEAUBRIAND BBQ (open to all) |
| 24 | LONG DISTANCE RACE DAY - PIGEON
ISLAND (members only) |
| 24 | SAILING SCHOOL END OF THE YEAR
BBQ - CERTIFICATE PRESENTATIONS (SS
participants & parents) |
| 24 | SS TWO GENERATION REGATTA (SS
participants & parents) |

CALENDAR 2024

SEPTEMBER

31-2 LABOUR DAY CRUISE TO WAUPOOS
(members only)

28 LONG DISTANCE RACE DAY - FROST
BITE (members only)

28 CHILLIFEST & VOLUNTEER THANK YOU
PARTY (open to all)

OCTOBER

NOVEMBER

2 CBYC WRAP UP GALA (members only)

From Social Captain

Spring is here and sailing season is right around the corner so get ready to get your SOCIAL on!

Please check out our CBYC calendar for social events included in this newsletter or on the CBYC website.



Flyers will be around the marina, & e-blasts detailing social events.

Always looking for volunteers for events so if your interested please let me know, always interesting and rewarding to help out.

Come on out and have some fun meeting fellow sailors!

Looking forward to meeting new and seeing old members soon for an exciting 2024 sailing season.

Cheers

Liz Taylor - Reid. Social Captain

Three common underwater wear points

March tiptoed in like a lamb where we live in southern Ontario, but boaters know this can be the most fickle of months. On those days when Mother Nature tempts us back to the boatyard with warm snow-free days, get a jump on your spring to-do list. Walk around the hull and check out some areas below the waterline. Here are three common wear points to watch.



Read the complete article from Harris & Ellis Yachts [here](#).

Lori

2024 Cruise

- 1) Saturday 29/6 10AM meeting; 11AM depart CBM; anchor Brakey Bay, with happy hour
Sunday 30/6 11AM depart Brakey Bay; anchor Cassidy Bay, with happy hour
Monday 1/7 11AM depart Cassidy Bay; arrive CBM
- 2) Saturday 3/8 10AM meeting; 11AM depart CBM; land excursion TBA
Sunday 4/8 TBA; land excursion TBA
Monday 5/8 return CBM
- 3) Saturday 31/8 10AM meeting; 11AM depart CBM; anchor Waupoos, with happy hour
Sunday 1/9 excursion Black River
Monday 2/9 return CBM

Peter MacKinnon - Cruise Captain

About CBYC membership

If you desire more information on membership:

<http://collinsbaymarina.com/cbyc/about/membership/>



From the editor

Hello dear readers.

We hope that you will enjoy this new edition full of great articles. See the CBYC 2024 calendar, also available on the [web](#). Two good articles of the Tech Corner. The part 2 in the Green Mix on the carbon cost of sailing, and more.

Enjoy your reading!

Gilles Brunet, Mixer Editor

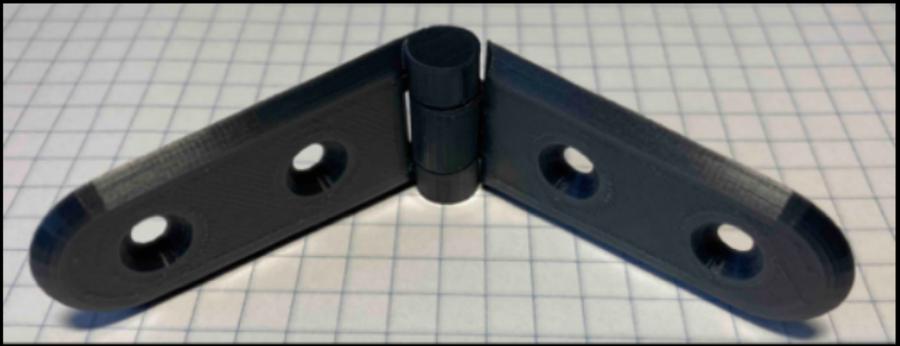


Mixer archives [here](#).

TECH CORNER

Can't Find a Boat Part? Try Making It!

Well, I'm still having fun with the 3D printer, this time on a more practical boat project.



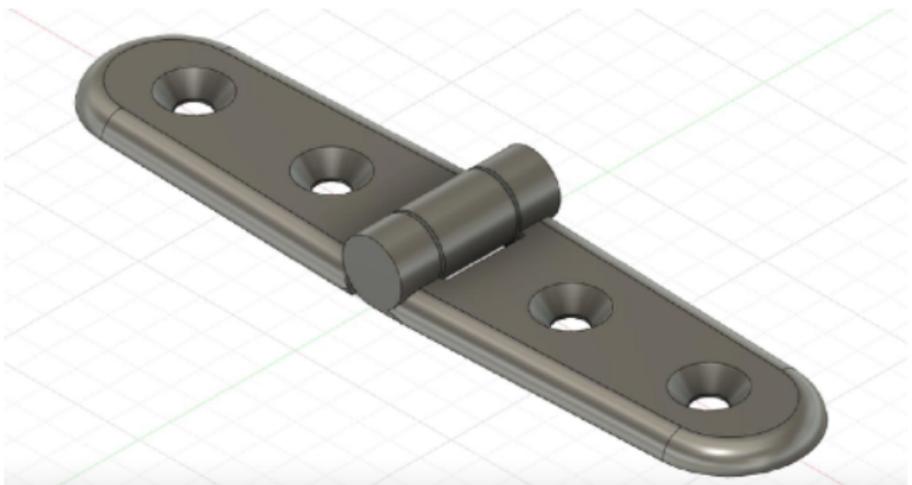
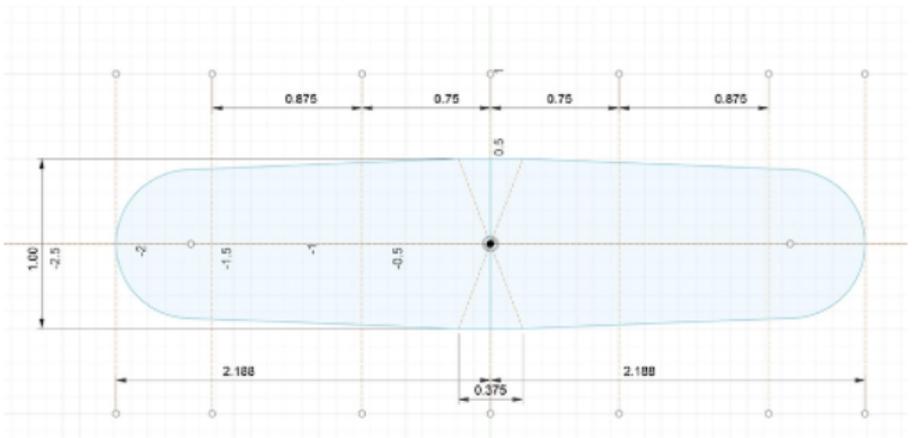
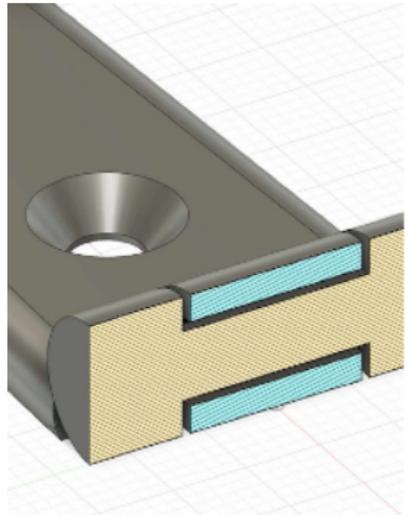
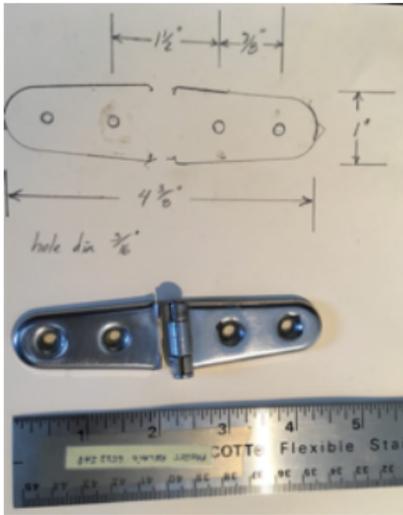
One of the hinges on a cockpit locker broke a while ago – these things happen after 35 years or so – and I am unable to find a matching part. I'm reluctant to drill new holes in the boat unless absolutely necessary, so put the replacement on pause until I decided to give this approach a try. The attached images show the process:

- * The initial hand sketch of the broken part with key dimensions;
- * The first design sketch showing the dimensions;
- * The final 3D design drawing;
- * A cross section of the design drawing showing how the two parts fit together while printing to make a working hinge; and
- * The final prototype.

This is still just a prototype. The plastics I'm able to print at home would not resist the outdoor environment for very long, but there are other materials available that will effectively replace stainless steel. Next steps: Come spring I'll check the piece for fit and function and then, assuming it works, will contact a shop I know in

Ottawa to get the final version printed. I'll provide an update if I learn anything interesting.

George Dew on Melba J



VOLUNTEERS NEEDED

Fleet Captain

The Fleet Captain is responsible for ensuring safety during club events and in coordination with marina staff, around the marina. It involves maintaining the club's AEDs and informing the marina of any safety issues that arise or are brought to their attention by club members. The FC is responsible for the organization of seminars for the club either in person or via Zoom and managing the mentoring program.

Women's sailing Captain

The Women's Sailing Captain coordinates and helps facilitate women sharing information/experiences, as well as practicing sailing and boating skills together in a positive, encouraging, and respectful learning environment.

Please contact one of the five board directors.

Gilles Brunet - Commodore



SAILING SCHOOL - WANTED

SOCIAL CO-ORDINATOR

The CBYC Sailing School is seeking a volunteer who will undertake to coordinate one major social event and four potluck lunches for the sailing school registrants.

The End of Season BBQ takes place on Saturday, August 24, 2024. It would entail the advertising of the event and monitoring the ticket sales, (along with Lori from CBM and Darlene and Jacquie from the Sailing School), the purchasing of food and eating implements, coordinating the preparation and presentation of the food as well as set up and clean-up.

The four potluck lunches that occur with the Sailing School Instructors and students are coordinated by the Head Instructor. They will take place on the last Friday of each session : July 12 and 26, August 9 and 23. The Social Volunteer's responsibility is to purchase the hotdogs, buns , condiments and eating implements as well as assisting in the clean-up and storage of the food after the lunch. These lunch activities could be coordinated with other CBYC members.

The above activities have had many volunteers and Sailing School Instructors involved in the past years of whom many will be very willing to participate in these activities this year.

There are preparation notes (including lessons learned from previous years) available and an orientation to this important social role.

SAILING SCHOOL - WANTED

FUND-RAISING VOLUNTEER

The CBYC Sailing School is seeking a volunteer who will undertake to coordinate two fund-raising activities in 2024:

- 1)Locker Room Sale on Safety Day on June 15,
2024
- 2)End of Season BBQ – a 50/50 draw, Door Prizes draws and a Silent Auction.

These activities have had many volunteers and Sailing School Instructors involved in the past years who may be very willing to participate in these activities this year.

There are preparation notes available and an orientation to this important fund-raising role.

Please contact Andrew Hope or Dave Nickerson, Sailing School Co-Directors at ["schooldirector@collinsbayyachtclub.ca"](mailto:schooldirector@collinsbayyachtclub.ca).

SAILING SCHOOL - WANTED

OFFICE/EQUIPMENT TRAILER MAINTENANCE

CBYC Sailing School is seeking a volunteer who will coordinate the following maintenance of the sailing school trailer that is used for an office and small equipment storage:

Ensure the trailer is cleaned each spring (organize a work party) and ready for the operation of the sailing school

Coordinate the purchase of supplies that are needed by the instructors (First Aid, water)

Ensure readiness of the school's fire extinguishers

Coordinate the procurement of shelves and furniture

Coordinate minor repairs if needed.

Please contact Andrew Hope or Dave Nickerson, Sailing School Co-Directors at "schooldirector@collinsbayyachtclub.ca".



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Photo of the month



Abandoned boats sit on the dry Zumpango lakebed north of Mexico City /AFP

Abandoned boats sit on the dry Zumpango lakebed north of Mexico City /AFP



Zumpango lake, north of Mexico City.

January 2024

Lets talk with chatGPT

Gilles: When a sailboat is designed why is the ration SA/D is so important? I am wondering since I attended two great webinars from Danny McKindsey; *The Art and Science of Sailing Yacht Design - A Tour through History*.

ChatGPT: The Sail Area to Displacement (SA/D) ratio is crucial in sailboat design because it provides insights into the boat's performance characteristics, particularly its ability to generate power from the wind. Here's why it's important:

Performance: SA/D ratio influences a boat's speed potential. A higher SA/D ratio generally indicates a higher power-to-weight ratio, meaning the boat can accelerate and maintain higher speeds with less wind.

Handling: It affects how the boat handles different wind conditions. A higher SA/D ratio may mean the boat is more responsive to light winds but may require more skill to handle in heavy winds.

Stability: SA/D ratio plays a role in stability. A lower ratio typically suggests greater stability, as the boat's weight is spread over a larger area of water. However, extreme ratios can lead to instability in certain conditions.

Comfort: It impacts the comfort of the ride. A higher SA/D ratio can lead to a livelier, more exciting sailing experience, while a lower ratio may result in a more stable but potentially slower and less thrilling ride.

Sail Plan Optimization: Designers use SA/D ratios to optimize sail plans for specific purposes, such as racing or cruising. Different ratios suit different sailing goals and conditions.

Overall, the SA/D ratio is a key metric in sailboat design, providing valuable insights into a boat's performance, handling characteristics, and suitability for various sailing conditions and preferences.

Gilles: Thanks

NEW: LightHouse 4.6.74 Software

- New Sail to Target Wind Angle from Polar functionality when integrated with an Evolution autopilot.
- Chartplotter Quick Adjust menu, new waypoint icons, new fuel range ring overlay, and much more.

2024 CBYC Seminar Series

In February and March, we were lucky enough to benefit from Danny McKindsey's extensive knowledge in two webinars entitled:

The Art and Science of Sailing Yacht Design - A Tour through History



We'd like to take this opportunity to thank Danny for these enriching evenings, which you can find on the CBYC club [members' website](#).

In this tour, we will take a trip through history to look at the evolution of pleasure sailing through time from the mid 1800's to the transition to contemporary boating, somewhere around 1970. We will look at the heyday of the America's Cup, some of the big designers, some influential or notable designs, take a peek at some smaller boats and provide some Canadian and local context with a look at some of the successful early Canadian and local designers and designs. Design of the boats themselves will be covered, as well as the evolution of technology and how the two interacted to affect the designs.

Gilles Brunet - Commodore

Green MIX

THE CARBON COST OF SAILING ABOUT THE STUDY

ICOMIA set out to create a robust and holistic analysis of the full environmental impact of all currently available propulsion technologies for recreational vessels under 24m (80ft).

It was to consider the full-life 'cradle-to-grave' impact of building, using and disposing of leisure craft. The report covers first-of-its-kind primary research study from Ricardo, a leading global engineering consulting firm. The resulting data took two years to compile and was subject to thorough peer reviews in an attempt to make this the most robust data possible.

ICOMIA's aim was not to make a pronouncement on what technologies are green or not, but to provide benchmark data against which governments, boat builders, technology developers and you, the sailing public, can make informed choices.

The study covered nine types of vessel up to 24m, including inflatable tenders with small outboards, runabout day motor cruisers, fishing boats, pontoon boats (a large sector in the US), personal watercraft, sailing yachts, inland waterways craft, large displacement motorboats and performance motor yachts.

The study was broken down into six steps:

- exploring the decarbonisation options;
- conducting a Greenhouse Gas Life Cycle Assessment (LCA) to ISO 14044 and 14067 standards including the manufacture, use phase and end of life for energy converters and energy carriers;
- assessing the total cost of ownership of each system, including purchase, operation and maintenance;
- analysing the implications of life expectancy, maintenance, performance, safety and availability of each system;
- analysing the infrastructure implications, before
- ranking the suitability for each craft type and usage case.

The report is still pretty broad brush strokes, and there are plenty of caveats to the findings. How and where boats are used, what technology is installed, and the supply chains in each of those products have an impact, and ICOMIA says that it is keen that the data acts as a baseline for people to innovate around and find ways of cutting emissions in every part of a boat's lifecycle.

Even so, some are sceptical about the report. Steve Bruce, Managing Director (UK) of electric engine manufacturer ePropulsion said,

'I have to say I am extremely disappointed. It would appear to me that the report has been written with a bias against electrification and has failed to consider

several relevant factors, such as the ability to re-purpose and ultimately recycle batteries.

'It also seems to be based on facts that do not appear to be in line with what we are being told by boat users in our daily conversations, so I would like to better understand precisely where the report writers have decided to select their data from and why.

'The small amount of hours they suggest boats are used for does not correlate with the actual use profiles we are being asked to support.'

Subscribe to Yachting Monthly [here](#)

ICOMIA report [here](#).

Part 3 next month

Gilles -on Garuda

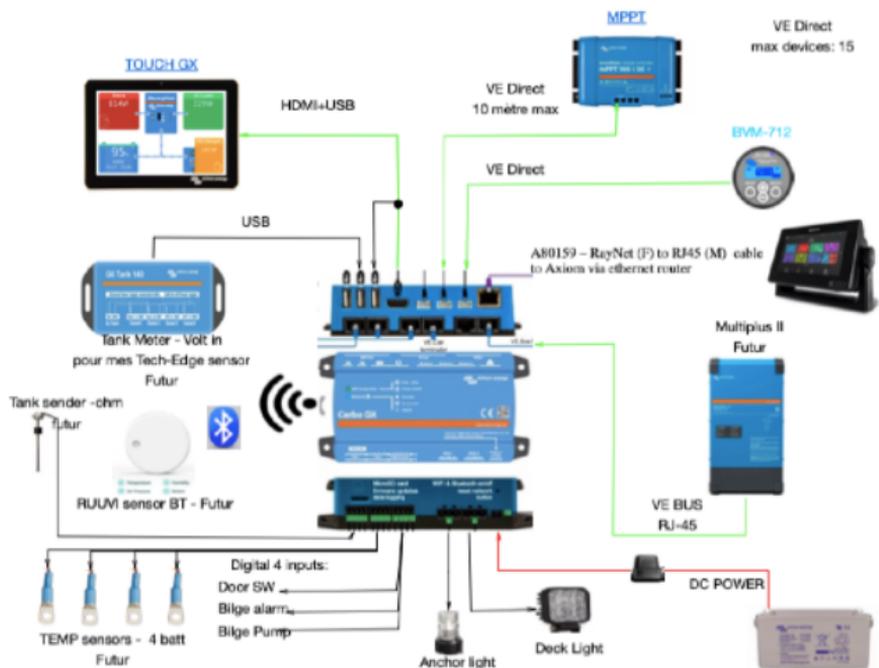


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TECH CORNER-2

My CerboGX project is progressing.

This is the drawing of my installation:



I use [NodeRed](#) to allow me customizing the telemetry and the automation/remote control of my boat. The Cerbo GX provides these inputs/outputs:

- Four analog tank inputs (resistive)
- Four temperature inputs (resistive)
- Four digital inputs (ex: for door switches)
- Two relay outputs (ex: light, pump, genset)

I did a bit of Javascript for the algorithms.

See next page for examples of my dashboard.

Gilles Brunet on Garuda

**Racing: Attention all racers &
want to be racers racing**

Interested in racing or being part of a crew come out on Thursday May 9th @ 6:00pm to the CBYC club house where you can meet fellow sailors to ask about crewing or get tips for racing your boat.

We will be catching up with our racers, paying our racing dues, and discussing the season.

Looking forward to seeing you all

Glenn - Race Captain



Household Hazardous Waste Depot to open for 2024 season

Next week, the Household Hazardous Waste Depot, located at the Kingston Area Recycling Center at 196 Lappans Lane, will open for the season. According to a release from the City of Kingston, the depot will resume service on Thursday, Apr. 4, 2024, and will accept household hazardous waste items

Please do not dispose of old paint, varnishes, cleaners, old fuel as well as used oil or antifreeze into our garbage or dumpster as these are hazardous waste!

The marina has containment for used oil and antifreeze but you will need to hand these to one of our crew members directly. Do not leave these on the ground unattended beside the garbage area or containment area as they can tip over and be spilled causing contamination to our marina grounds and waterway we all cherish!

Lori Buzzi, CMM

Skillet Onion Chicken



Ingredients

- 2 tablespoons olive oil
- 4 large onions sliced ½” thick
- 8 skinless chicken thighs bone-in, skin removed
- ¼ cup chicken broth or water
- Salt to taste

Instructions

Cook the onions. Heat about 2 to 3 tablespoons extra virgin olive oil in a large cast iron skillet or pan over medium-high heat. Add the sliced onions and season well with salt. Sauté the onions, stirring often until they collapse and release their juices turning a beautiful deep golden brown in color, about 10 to 15 minutes (cover the pan to speed up the cooking time, if you like). Manage the heat to make sure the onions soften and caramelize without burning. In the meantime, season the chicken on both sides with salt. Once the onions are nicely caramelized, push them to the edges of the pan. Add the chicken (meaty side down first) to the pan and sear on both sides until golden brown. Do not cover the pan this time. (If the onions are in the way, you can move them around and add them on top of the chicken so that there is enough room in the pan for the chicken to brown well).

Once the chicken is nicely browned, add in the broth or water (you should have some juices in the pan from the chicken and the onions. Start with ¼ cup of liquid and add more if needed to form a sauce). Cover the pan and cook for about 25 to 30 minutes or until the chicken is fully cooked through and a meat thermometer inserted in the center of the chicken reads 350 degrees F. Serve over rice or with pita bread (the bread with the onion sauce is delish!)

Maryse Beaupré - Quiet Flight

The 2024 Captains

Role	Name	Boat (slip)
<u>Commodore*</u>	Gilles Brunet	Garuda (C23)
<u>Vice Commodore*</u>	Shelley Nickerson	Panacea (B28)
<u>Past Commodore*</u>	Bill Amirault	Luffin Life (C08)
<u>Secretary*</u>	Lisa Harvey	Mirza (D23)
<u>Treasurer*</u>	George Dew	Melba j (D13)
<u>Fleet Captain</u>	Vacant	
<u>Cruise Captain</u>	Peter MacKinnon	Bittern (E22)
<u>Membership Captain</u>	Wendy Hope	Shimmer (B13)
<u>Social Captain</u>	Liz Taylor Reid	Horizon Dancer (E12)
<u>Clubhouse Captain</u>	Lisa Bayne	Karuna (C05)
<u>Race Captain</u>	Glenn Reid	Horizon Dancer (E12)
<u>Sailing School Dir.</u>	Andrew Hope Dave Nickerson	Shimmer (B13) Panacea (B28)
<u>Mixer Editor</u>	Gilles Brunet	Garuda (C23)

Collins Bay
Marina

Lori & Gerry
Buzzi

Perfect Waste
of Time

Sailing School
Admin.

Darlene
Amirault

Luffin Life (C08)

Sailing School
OPS Mgr.

Vacant

Webmaster

Mark Sansom

Dream Haze
(C30)

Women's
Sailing Captain

Vacant

Sailing School
Keelboat
Manager

Richard
Dickson

Windsome
(E30)

Historian

Vacant

EYC2025
Coord

Bill Visser

- ✓ The members with an * are the directors of the board of the club.
- ✓ The CBYC email addresses are in the role titles

Feel free to contact us for any question or suggestion.