
COLLINS MIXER

Collins Bay Yacht Club Newsletter

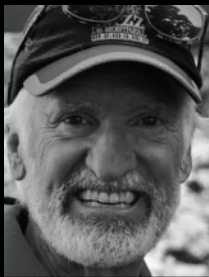


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COLLINS MIXER

Collins Bay Yacht Club Newsletter

Commodore's corner



Dear members.

I imagine your boats are all ready for winter. I've just arrived from Florida, where I went to help Louis and Maryse with their magnificent Catalina 470 in Fort Pierce.

We arrived 3 days after Hurricane Milton, which didn't hit their marina at all. OUF! What a relief.

We completed the installation of the LFP batteries with Victron's Lynx system. We also activated all the telemetry to monitor the sailboat from Montreal.

I look forward to seeing you at our year-end gala on November 2.

Until then, enjoy the warm autumn days.

Gilles Brunet - CBYC Commodore

From The Helm

We have been very busy with haul out and the weather has been great for the crew and everyone who have to take sails down, winterize and cover their boats! We are thankful for a great season but as always haul out is a sad time of year as we are all wishing summer would last a little longer.

Right after haulout begins the arduous tasks of winterizing the equipment, dock water lines and washrooms begins. The washrooms will be closed by the end of October, and the office begins the off-season hours of “by chance or appointment!”

Please remember if you are charging your batteries over the winter, do not leave them plugged in overnight! This could cause a fire and void your insurance. If you need assistance, please let us know and we can unplug them for you.

A special thank you to Gilles for all the great mixers over the years and a big welcome to our new mixer editor Ed!

We look forward to seeing you all at the AM on zoom November 30th!

Mark your calendars for North America’s largest indoor boat show, the Toronto International Boat Show being held January 18-26, 2025!

Roughly 23 weeks until launch begins, but who’s counting!

Lori and Gerry.

CBYC END OF SEASON DINNER CELEBRATIONS

Our last get together for the year Saturday Nov 2nd at Beautiful Loyalist Golf Course in Bath. Join us for a wonderful 3 course dinner with friends.

November 2, 2024

6 PM cocktails, 7PM Dinner



3 course brisket dinner

Lis Taylor - Reid

social@collinsbayyachtclub.ca

The CBYC Annual Meeting



The Collins Bay Yacht Club (CBYC) Annual Meeting is approaching, and we encourage each of you to participate and be aware of the activities that occurred last season and vote for new Board Members (5 Directors) who will represent your club next season. The meeting will be held virtually and is scheduled for Saturday, November 30th, 2024, at 2:00 pm ET.

The meeting will include a review of the CBYC Financial statements, annual reports, and an election for the new Board Members. Currently, five individuals have put their names forward to stand for election. All CBYC members (over 18 with a club membership in the full category that is in good standing) are asked to attend. We require a strong membership presence (quorum) to vote for the new Directors. All full category members will receive a zoom invitation prior to this meeting - hope you can join us!

Thanks for your commitment to CBYC.

Lisa Harvey - Secretary

Annual Meeting Agenda



Please note that according to CBYC Bylaws (Section 9.01), no other item of business shall be included on the agenda for annual meeting unless a full member's proposal has been given to the secretary prior to the giving of notice of the annual meeting, so that such item of new business can be included in the notice of annual meeting. Therefore, if you have a proposed item of business to be added to the Annual Meeting agenda, please email this to the me (secretary@collinsbayyachtclub.ca) before November 9, 2024.

Lisa Harvey - Secretary

Annual Meeting Proxy



If you, a CBYC full member (in good standing) will not be present at the annual meeting, you can assign a proxy to vote in your absence. Proxy voting is a form of voting whereby a member of a decision-making body (CBYC full member) may delegate their voting power to a representative, to enable a vote in their absence (not a proxy voice). The representative may be another member of the same body, or external.

Should you choose to provide your proxy to another representative, please inform the CBYC Commodore in writing, by sending him an email before November 29, 2024, sharing the name of your proxy holder. For more information on this topic, please reach out to Gilles Brunet (commodore@collinsbayyachtclub.ca).

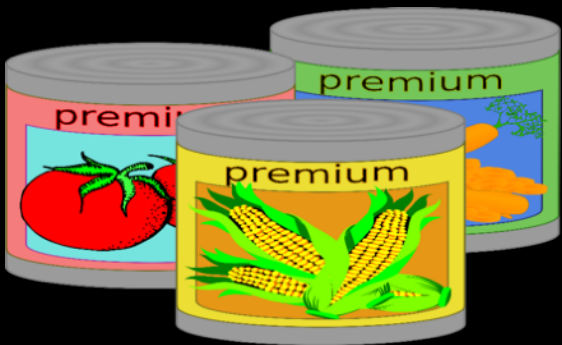
If a member arranged to give a proxy to someone and advised the commodore, the proxy holder will use a device to vote on their behalf. If this proxy holder is also a member and wants to vote on their own behalf, they will require a second device (one device = one vote). Send your proxy request before November 29th 2024.

Lisa Harvey - Secretary

FOOD BANK DONATIONS

Haul out and winter storage provides us with an opportunity to assess what remains on the boat and what needs to be removed. Should you have any non-perishable foods or unused toiletry items you no longer need or want, the marina will be collecting these items and donating them to the food bank. You can drop them off at the marina office.

Thank you!



CBYC Sailing School

Volunteers for 2025

The sailing school at CBYC runs with the efforts of club volunteers, without them we would not be able to offer the opportunity for students to learn and enjoy the sport of sailing that we all have come to love. The sailing school has the need for many volunteers throughout the season, one of the main volunteers that we require is a person or persons, to coordinate the administrative activities of the school, including processing student registrations, sailing instructor HR activities, communications with the parents of the students, assisting with banking duties.

If you are interested in finding out more about the Sailing School Administrator position, please contact myself at schooldirector@collinsbayyachtclub.ca or the Sailing School Administrator at school@collinsbayyachtclub.ca

Dave Nickerson, SS Co-Director

Chilifest

Thank you all for an awesome social Chilifest Sept 28th aboard the SS Maria. We had plenty of different chili's, apps, cheeses, and delicious salads, thank you all for contributing to a great feast.

Over 50 in attendance we had a lot of fun & plenty of mingling amongst our fellow boaters. Gillian from Day by Day took best overall chili award with her delicious turkey chili, Chuck from Eclipse with his Dark & Stormy chili won spiciest chili, and Boni from Supra's team won most unique with her White Chicken Supreme chili.



Our final race for the season "The Frostbite Race" wasn't really frosty but it was so much fun, Glenn and our team on Horizon Dancer took a hard fought first. For those interested in doing the occasional fun race on a Saturday are more than welcome to come out and join us in a great excuse to get out and sail.

The social year was fun and all the events were well attended. Don't forget to join us at The Loyalist Golf Course for a final get together Nov 2nd, sign up with Lori at the office for a wonderful 3 course dinner.

Let me know if you'd like to volunteer to help out or head up a social event for 2025.

Remember it's all our club and what we put into it we get out of it. See you on Nov 2nd.

Cheers.

Liz Taylor-Reid, Social Captain





CALENDAR 2024

NOVEMBER

2 CBYC WRAP UP GALA (open to all)

30 Annual Meeting (AM) on Zoom
(members)

About CBYC membership

If you desire more information on
membership:

[http://collinsbaymarina.com/cbyc/about/
membership/](http://collinsbaymarina.com/cbyc/about/membership/)



From the editor

Dear readers!

We have a new Mixer editor; Ed Gudlauski.

Ed will prepare the edition of December so join me to thank Ed for his new involvement in the club.

Gilles Brunet, Mixer Editor



Mixer archives [here](#).



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Photo of the month



The crew of White Knight, winners of the Fall Series, PHRF 1 Fleet

Left to right: Tom Muddler, (Foredeck), Scott Baker (Pit), Kim Gudlauski (Trim Queen), and Wayne Wall (Helm)

Green MIX

THE CARBON COST OF SAILING

RUNABOUT MOTORBOAT

-Part 8-

As an example, a small runaround motorboat may have a typical range of 14 hours and 166 miles. To give the same range in a single duty cycle (one tankful or battery charge) with hydrogen propulsion, fuel storage would need to be around 430% larger than the ICE system and would be 350% heavier, giving the boat a displacement 56% greater.

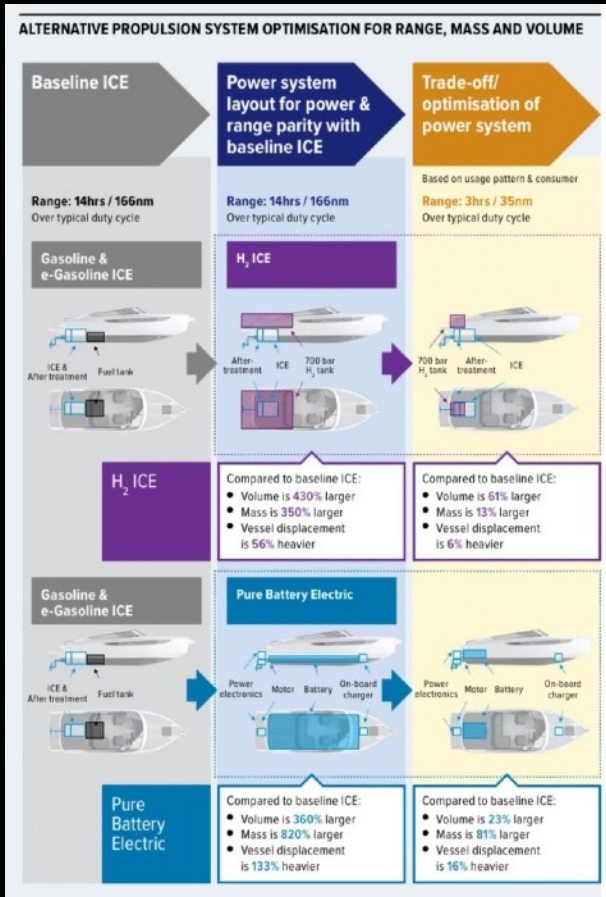
With electric propulsion, the volume of the batteries for this range would be 360% larger and 820% heavier, with a vessel displacement 133% heavier.

In the calculations, the researchers decided to optimise the power system so that it could still fulfill the way most people use the boat, but with

a propulsion system as close to the mass, volume and performance of the existing system as possible.

When aiming to achieve a range of 3 hours and 35 miles for the same small motorboat – a reduction of around 80% – a hydrogen system that was 61% larger and 13% heavier with a displacement increase of just 6% was achievable. For electric power for the same range reduction, the system was 23% larger,

while being 81% heavier, with a displacement increase of 16%.



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ICOMIA report [here](#).

Part 9 next MIXER

Gilles on Garuda

Conversation with ChatGPT

Gilles: How do you think Ai will help deseigning sailboats in the futur?

ChatGPT: AI is poised to significantly transform the design of sailboats in the future, contributing to innovations in several key areas:

1. Optimized Hull Design

Hydrodynamic Modeling: AI can analyze vast amounts of hydrodynamic data to create more efficient hull designs. It can simulate how different shapes and materials interact with water to minimize drag and maximize speed.

Evolutionary Algorithms: AI can use algorithms to test multiple hull designs quickly, evolving and refining the best shapes for speed, stability, and fuel efficiency.

2. Sail and Rigging Optimization

Adaptive Sail Design: AI can predict how different sail configurations respond to wind conditions. It could design adaptive sails that adjust their shape in real-time based on weather patterns, improving performance.

Structural Analysis: AI can model stresses on rigging systems and masts more effectively, ensuring that materials used are both lightweight and durable while optimizing the center of effort and stability.

3. Materials Selection

AI can assist in selecting advanced materials, analyzing their performance characteristics to suggest composites that are lighter, stronger, and more resistant to environmental degradation like saltwater corrosion or UV exposure.

4. Environmental and Performance Forecasting

Weather Prediction Integration: AI can integrate real-time weather data, predicting the best routes for sailboats based on wind patterns, currents, and tides.

Autonomous Navigation: For racing or cruising, AI systems could help optimize routes and sail configurations autonomously, responding dynamically to environmental changes, reducing the need for constant human intervention.

5. Customization for Sailors

Personalized Performance: AI can assess a sailor's experience level, preferences, and past performance to design custom sailboats tailored to their sailing style.

Virtual Prototyping: Designers will be able to use AI-driven virtual reality environments where potential sailboat owners can interact with the design, make adjustments, and see the results in real-time before building the physical boat.

6. Sustainability and Eco-friendly Designs

Sustainable Energy Solutions: AI can analyze energy needs and propose systems like solar sails, hybrid propulsion systems, or hydroelectric energy generation to make sailboats more sustainable.

Minimized Environmental Impact: By optimizing hull shapes, sail designs, and material usage, AI could reduce the environmental footprint of sailboat production and usage, such as through lower fuel consumption and minimal waste during construction.

7. Improved Manufacturing Techniques

AI-Driven Fabrication: Advanced AI could oversee the entire manufacturing process, using robotic systems to build sailboats more precisely and efficiently. Additive manufacturing (3D printing) techniques guided by AI may produce complex parts faster and at a lower cost.

8. Data-Driven Iterative Design

Performance Feedback Loops: AI will allow designers to continuously improve sailboats through real-time performance feedback from sensors placed on the boat. This data can be fed back into the design process, resulting in iterative improvements over time.

9. AI-Assisted Racing and Performance Analytics

Race Strategy Optimization: AI can assist competitive sailors by analyzing competitors' moves, environmental conditions, and real-time boat performance, suggesting optimal tactics during races.

Predictive Maintenance: AI can help detect potential issues with wear and tear on a boat's components, predicting when maintenance is needed to prevent failures during races or long voyages.

In summary, AI will help revolutionize the way sailboats are designed by improving performance, efficiency, and sustainability, while allowing for more customization and smarter integration of environmental data. It will likely bridge the gap between traditional craftsmanship and cutting-edge technology, pushing boundaries in both racing and recreational sailing.

Gilles: Thanks. Good points.

Anemos from TWOT

The first cargo sailboat with a capacity of
1100 tons.



Martine Letarte, La Presse

Shipping accounts for just 3% of global greenhouse gas emissions, but the industry is looking for ways to reduce its dependence on fossil fuels and become more efficient.

Read the article [here](#).

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>Director*</u>	George Dew	Melba j (D13)
<u>Fleet Captain</u>	Doug Thur	Scaramouche (C04)
<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.

Julian Leam

Toucan (B19)

Webmaster

Mark Sansom

Dream Haze
(C30)

Women's
Sailing Captain

Vacant

Sailing School
Keelboat
Manager

Richard
Dickson

Windsome
(E30)

Historian

Claudia
Stevenson

Tamara C
(C20)

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.