



British Columbia Multihull Society

September 2020

Fairing well...

Ken Pepperdine

The great article about Rae and Sharon's new hardtop would be impossible to one-up, [well maybe one day], but I thought I might share the evolution of a small project completed recently. The Tohatsu 20 on Simone has been a good motor except for the manual tilt that required leaning over the aft beam, balanced on your chest to access

the latch and then pulling like a bugger to get the motor to tilt. It has also been made worse lately by a stiff mechanism that defied lubrication, so a new motor was the choice, one that had a hydraulic tilt. We'll never know if that was the trigger of Wendy's breast cancer, but there were many times she could be seen balancing, feet in the air, right on the location where the tumor was found trying to tilt the motor. Of course, Wendy insists on us both being able to do anything on the boat, to which my reply is "then why am I the only one who ever changes the compost in the head?"....Anyway ...

There was a boat show deal on new electric tilt Tohatsu 20's in the winter so we bought one. The challenge with the new motor was that the depth of the transom mount on our lifting motor sled would leave parts of the lift



mechanism exposed to flotsam. Also, I wanted to reduce motor vibration being transmitted to the boat, so the solution looked like this:

1. Lay up a sturdy saddle that would be vibration dampened and fit it over the sled where the motor attaches in order to protect the lift mechanism.

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2. Create a fairing that would mount to the bottom of the sled to further protect the tilt mechanism, prevent accumulation of weed etc. and reduce what has been the occasional wave slap.

Having built kayaks, windsurfers as well as other assorted bits over the years, the approach was clear to me, but I thought it might be worth sharing because the techniques may unfamiliar to some, and might possibly be of use for those contemplating their own project.



I used two different techniques for laying up the parts with both using blue SM Styrofoam for the blanks. In one process the foam mold was sacrificial and in the other the foam became a core for the finished part.

Saddle: I shaped a piece of foam to the inside dimensions of the new motor's transom mount with sufficient depth to protect the hydraulic tilt.

Once satisfied with the shape of the part, I spray glued a layer of heavy duty aluminum foil to the outside of the foam blank [note..not all spray glue is compatible with styrofoam]. Once glued, any

irregularities or wrinkles in the foil were flattened with a hard roller and then mold release was applied. The foil allowed me to layup the part with a well catalyzed batch of polyester resin [without fear of melting the foam] and seven layers of 20 oz. bi-axial fiberglass tabbing. After cure and trimming, the sacrificial foam was torn out and layer of rubber dampening material glued to the inner surface. The part was then drilled for the motor and painted in preparation for mounting.



Fairing: Three layers of 2 ½ " foam were laminated together using dabs of Gorilla Glue [new to me, but an excellent process] to form the core. The rough outline of the fairing was first cut with the band saw then shaped with a power-plane and finally with various sanding blocks. Any voids were filled with light weight drywall repair filler and sanded. When satisfied with the shape, the base of the core was temporarily mated to a flat mold released surface so the base of the part could be wetted out first, with the

curved side of the fairing being laminated second with the two layers bonding at the edges. Layup of was done with 7 layers of 8 oz. glass cloth in epoxy [cloth was used because of its better draping ability]. When green cured, the part was released from the base, rough trimmed and post cured overnight under an electric blanket. Once fully, cured the part was sanded primed and painted ready for installation. Once mounted to the underside of the sled, its profile nicely matched that of the transom saddle.





On our last outing, it was pleasing to see floating debris deflected and hear swishes instead of slaps when motoring in waves. It was also a huge improvement to just push a button to tilt the motor instead of wrestling with it over the aft beam.

September 2020 Long Weekend

The BCMS September long weekend sail in was well attended. It was great to be able to meet everyone, at a distance of course. The weekend was cut short with a serious weather advisory predicting strong winds. Most members left on Sunday so the race was cancelled. The winds were light to non-existent on Sunday so motoring was the order of the day. The predicted winds on Monday were right on schedule. At Wards Marina it was blowing 20-25Kts with gusts over 30.



Pub Nights via Zoom Meeting
Invitations sent out via the members email list
7:00 pm

October 20, 2020
November 17, 2020

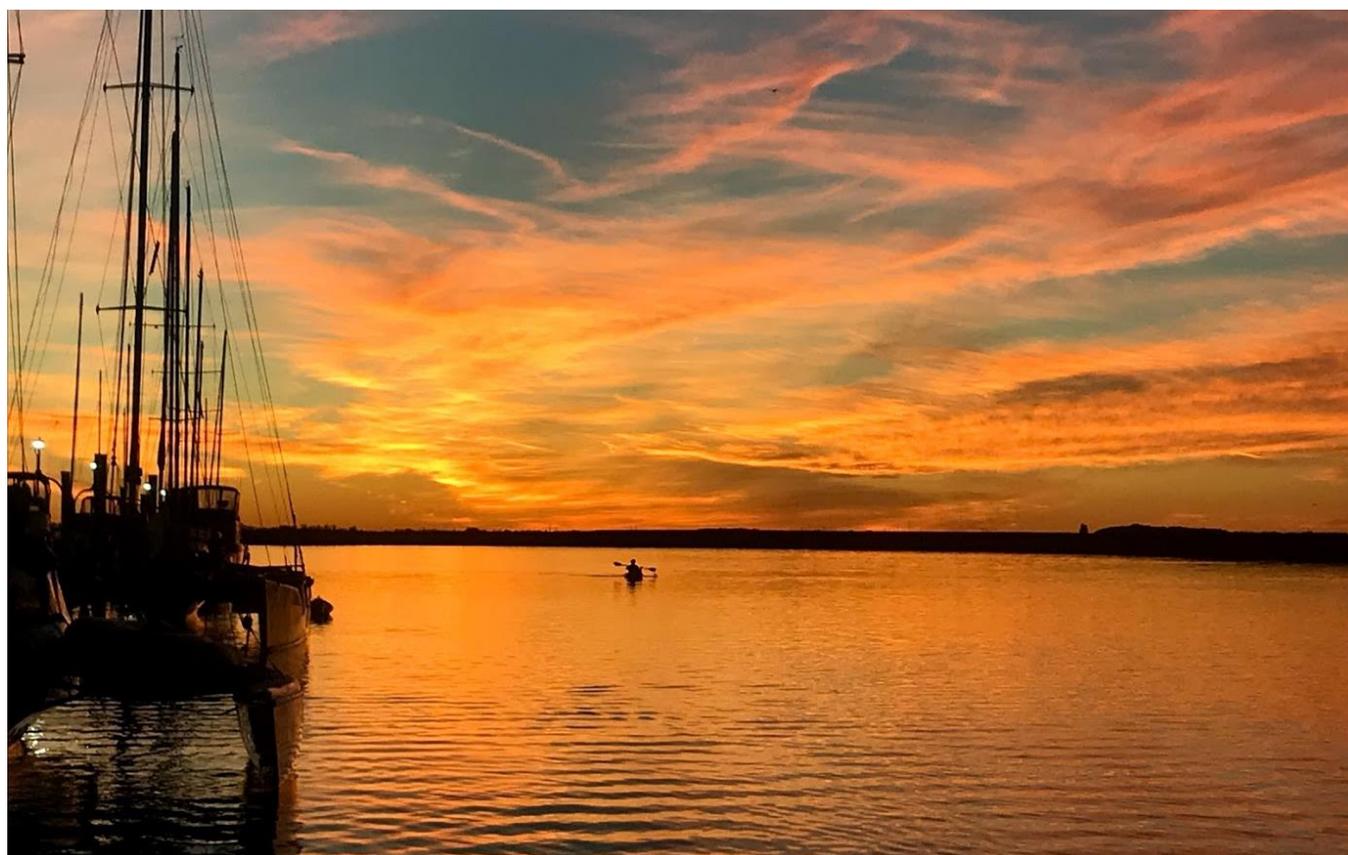
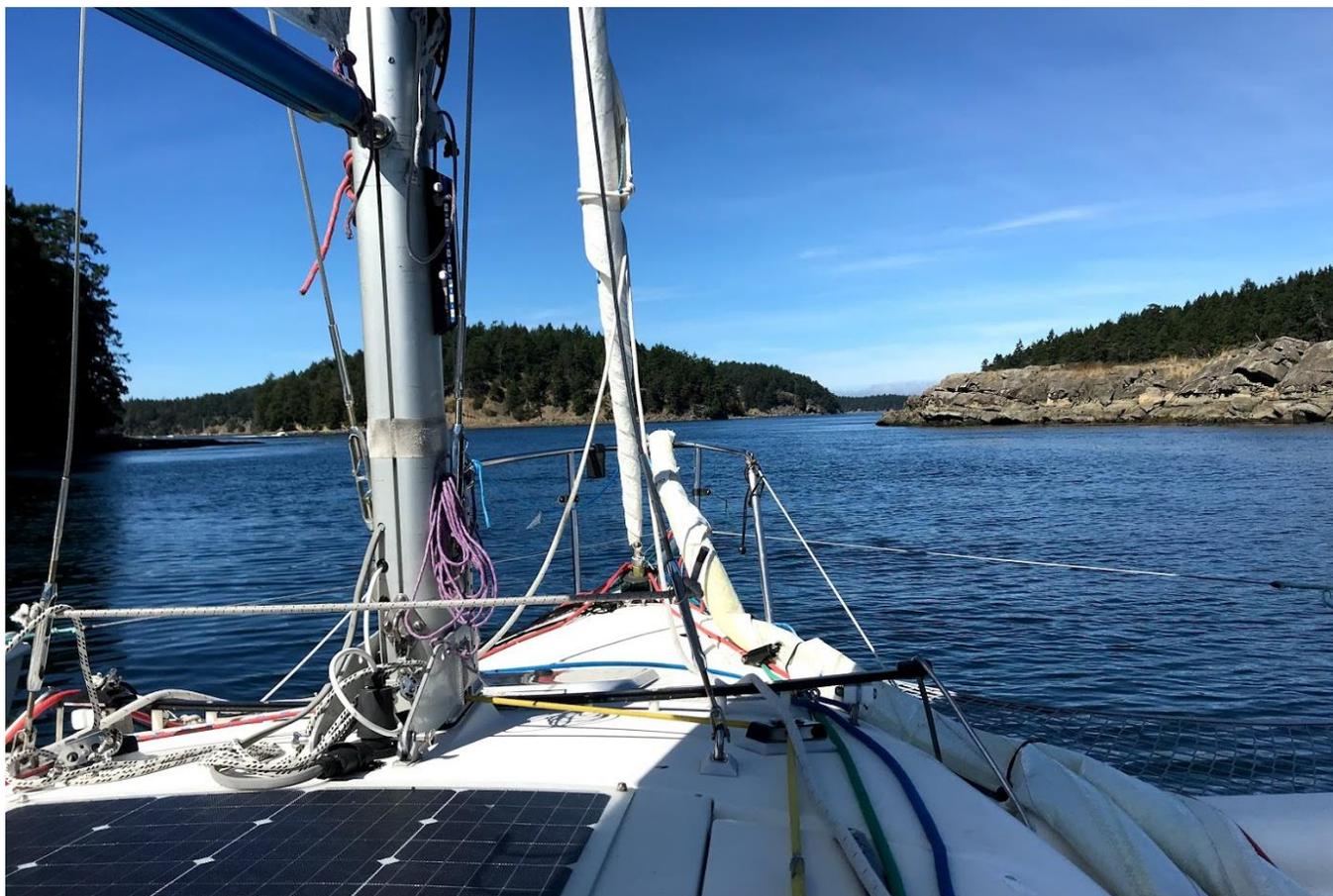














Minutes prepared by Marlene Mackenzie

BC Multihull Society
2020 Annual General Meeting Minutes
Sept 15, 2020

Opening:

President Bob Davis called the Annual General Meeting of the B.C. Multihull Society to order at 7:09 PM on Tuesday, Sept 15, 2020 via Zoom software.

Present: Members: Wendy Carlson, Wayne Carlson, Alec Mackenzie, Marlene Mackenzie, Ron Tomas, Bob Davis, Jamie McKerrow, Stuart Kerr, Vicki Schoonbeek, Peter Schoonbeek, and Tim Poustie.

The meeting proceeded as a quorum was present (more than 10% of the voting members)

Bob Davis announced that a former BCMS social Director, Brian Phillips, had passed away on Aug 25, 2020. There was to be a Celebration of Life on Sept 19th. Bob would attend and present Brian's partner, Margaret Dulat, with a sympathy card on behalf of BCMS. A toast was made to Brian.

- A. **Agenda:** Proposed Agenda was presented and moved to be accepted by Vicki Schoonbeek, second Bob Davis. Passed.
- B. **2019 Minutes.** Approval of the Minutes from the 2019 annual meeting was moved to be accepted by Wayne Carlson, Second Vicki Schoonbeek. Passed by a show of hands.
- C. **Financial Statements for 2019:**
Marlene Mackenzie, BCMS Treasurer, presented the 2019 Financial Statements.
- D. **Approval of 2020 Budget.**
Marlene Mackenzie presented the proposed budget for 2020. Moved acceptance by Vicki Schoonbeek, second Wayne Carlson and approved by a show of hands of the members.
- E. **Report of Directors:**
 - a. Vicki Schoonbeek, Island Director, said the island pub nights and Christmas party had been well attended last year but no Island events in 2020 due to Covid-19 restrictions.
 - b. Wayne Carlson, Newsletter Director said he would be doing a couple of more newsletters before year end.
 - c. Alec Mackenzie reported that there had been only one social event this year and that was the Pt. Browning Fall Sail- in but activities had been much reduced due to Covid-19 restrictions. He was not sure if there would be Christmas parties as the club had to follow directions of BC Ministry of Health.
 - d. Bob Davis, President thanked all the Directors for their work for the club. He said it had been a difficult year due to Covid-19 restrictions.

- e. Ron Tomas reported on the recent Snakes & Ladders race. Some of the race participants had not followed the rules regarding the whale zone around Saturna & Pender Islands as well as violated the shipping channel restrictions in Boundary pass. Other than that, no racing for this year.
- f. Stu Kerr, Membership Director, stated there were 85 members from 46 family groups.

F. Old Business:

- a. **Website.** Last year, Aaron Twa, who has had experience with websites, offered to act as a web resource consultant. He ended up completely redoing the website. As of the date of this meeting, Aaron was still working on the website but, certain parts have been completed and look good.

G. New Business:

- a. Bute Island, in Ladysmith Harbour: **Vicki Schoonbeek suggested that BCMS have a sail-in next year to Cowichan Valley Regional District's newest regional park, Bute Island. Attendees thought this was good idea.**



H. Election of Directors.

The following Directors agreed to stand for office again – Bob Davis, Ron Tomas, Stuart Kerr, Alec Mackenzie, Jamie McKerrow, Wayne Carlson, Vicki Schoonbeek and Marlene Mackenzie. No one else came forward so these people were elected by acclamation

I. Adjournment

Bob Davis adjourned the meeting at 8 :10 PM.

Renew your membership in BC Multihull Society for 2020.

There are many ways to pay the \$35.00 annual membership fee.

1. Make out a cheque to BC Multihull Society and mail it to:
BC Multihull Society
c/o PO Box 71542 RPO Hillcrest, White Rock, BC V4B 5J5.
2. Visit the BCMS website (www.bcms.bc.ca) and click the <Join Us> tab. It is in the black band at the very top on the right hand side of the BCMS website home page. This will take you to the Membership Application page. Here is a shortcut directly to this page:
<http://bcms.bc.ca/membership-account/membership-levels/>
Select "BCMS Family Membership" and it takes you to the **Membership Checkout** page. Click on <Log in here> (the small link to the right of Account information) and complete the transaction via PayPal.
If you have a problem with the third method, please email alec8@shaw.ca

2019 / 2020 Directors list

[Email our directors: BCmultihullsociety@gmail.com](mailto:BCmultihullsociety@gmail.com)

President	Bob Davis
Vice President	Jamie McKerrow
Secretary	Bob Davis
Newsletter	Wayne Carlson
Publicity	Alec Mackenzie
Racing / Sailing	Ron Tomas
Vancouver Island Director	Vicki Schoonbeek
Treasurer/C.B.C.Y.C. (Mainland Rep.)	Marlene Mackenzie
Social -	
Membership	Stuart Kerr
Website	Aaron Twa

Non Directors

C.B.C.Y.C. (Vancouver Island Rep.)
Ken Pepperdine