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## Welcome to (a) New Year!

This is certainly the most interesting start to a sailing season in memory. The Board of Governors is meeting regularly to determine when to open, what activities to hold, and what precautions we need to take. Check inside for more details. The event calendar for the year is on pages 10-11. Print it out and start thinking about sailing!

# Commodores Message

## Ahoy Sailors

We hope that you are sailing past the Isle Corona Virus and not making any unexpected ports-o-call. I think that we are all making a few course changes so that we can stay healthy and safe.

As a club, we will be changing several ports-o-call. We must obviously cancel all April social activities, and may need to extend cancelations into May. See some details in this newsletter. A visit to our website, at [www.lafayettesailing.com](http://www.lafayettesailing.com) or our Facebook page will keep you up to date.

I think that sailing is an activity that we can enjoy and still give each other 'room-at-the-mark', (that's sailor-talk for social/physical distancing). We are expecting to keep our racing schedule, beginning May 2nd, providing that we are feeling comfortable with 'keeping our distance'.

Sailing School will be held on-line on April 20th and 27th with another session planned for later in the summer. There will also be a Cruising School hosted by Bruce Borrer on May 4th. Contact Mike Nolan at [mnolan@purdue.edu](mailto:mnolan@purdue.edu) for information or to sign up for either of these activities.

All activities on our calendar are subject to cancelation or postponement, but we will keep you informed as best we can, given the current uncertainty.

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An excerpt from somewhere else.....It took a water rat, in conversation with a mole, to reveal one of the great human truths, which is that "there is nothing – absolutely nothing – half so much worth doing as simply messing about in boats."

The famous quote comes, of course, from Kenneth Grahame's dearly beloved classic, *The Wind in the Willows*. When Mole shyly revealed that he had never been in a boat before in his life, Rat, who had offered to scull him across the river, was open-mouthed with astonishment. He was moved to ask: "What have you been doing, then?"

Mole didn't answer. He was experiencing the bliss, the quiet rapture, that grips many humans also upon their first encounter with a boat.

Rat, undeterred, continued to espouse his love of boats. "In or out of 'em, it doesn't matter. Nothing seems to matter, really, that's the charm of it. Whether you get away, or whether you don't; whether you arrive at your destination or whether you reach somewhere else, or whether you never get anywhere at all, you're always busy, and you never do anything in particular, and when you've done it there's always something else to do ..."

Spring is in the air. Unfortunately, there are other things in the air that may change our course a bit. We hope that soon we will all be "simply messing about in boats".

Stay safe and healthy,

*Commodore Carl*

Carl Hager, Commodore, Lafayette Sailing Club



## Membership Highlights

Membership in the Lafayette Sailing club is open to anyone. Membership applications can be downloaded from the club website at [www.lafayettesailingclub.com](http://www.lafayettesailingclub.com).

New applicants must obtain the signatures of two active members as sponsors before submitting an application. One way to obtain the required signatures is to visit the LSC Harbor at Lake Freeman on a weekend during a scheduled activity, e.g. races, etc..

All memberships are family memberships. There are three levels of membership with different costs and privileges. There is also a new member price at each level for a families first year of membership. All memberships include the use of club sailboats, as well as attendance at all LSC activities.

Membership with voting rights, harbor launch privileges and (1) boat storage—\$285/\$225 (first year)

Additional boat storage for any class of member is \$85/year/boat.

## Board of Governors

### Officers



Commodore—Carl Hager



Vice-Commodore—Jacob Bleier



Recording Secretary—Steve Bruhn



Treasurer—David Klenosky

### Directors

Membership —Rex Henthorn

Club Fleet —Jay Beugly

Race —Michael Nolan, Jacob Bleier

Grounds—Brendan Morreale

Social—Dianne Atkinson

Cruising—Bruce Borrer

Communications—Michael Nolan

### Members at Large

Jim Keller

Randy Carie

Adam Barrett

Rosie Caldwell



## Boats for Sale

Interested in a new (to you) boat? Contact one of these club members. They have one for sale!

Lewie Wallace (lewie\_wallace@comcast.net) has a couple of boats for sale.

Hobie 3.5 meter catamaran with trailer. Has original owner's manual. \$250.00.

1988 Catalina 27: new 135 jib on CDI furler; excellent main - loose footed; M18 two-cylinder diesel, all new coolant hoses and exhaust hose; fin keel - 4' draft; on the hard at Trail Creek Marina for the winter. \$12,500.00.

1988 Capri 14.2 with trailer (new tires): sails in good shape. \$1,250.00



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Kirk Gilbert has a 19 ft Lightning racing boat for sale. Comes with sails, cover, and trailer. Asking \$750 or obo. Has won the club championship for racing!

Contact Kirk at 765 714 3504 voice or text or email at [kirkgilbert@frontier.com](mailto:kirkgilbert@frontier.com)

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Randy Carie has a 1983 Rhodes 22 Continental Sailboat, new Hoods furling system, new traveler bar, new interior, reconditioned sails, and trailer with new tires for sale. \$6,000.

Contact Randy at [randycariec22@yahoo.com](mailto:randycariec22@yahoo.com)



# LSC Cruising

Bruce Borrer, LSC Cruise Coordinator, is still planning on a bunch of exciting cruising opportunities for spring and summer 2020. You don't need a cruising boat to participate! We welcome all who are interested to join one or more activities.



This years Spring/Summer Cruises will have a little different look and feel. This is an opportunity to involve sailors who may have less or no cruising experience. Some of this is still in the planning stages, but here are the specifics.

We are offering a beginners "Cruising School" online on Monday May 4th. This is a great opportunity to learn what is involved in cruising, and figuring out how you might participate. Two weekends later (May 15-17) will be the spring cruise on Lake Monroe. Bruce is working with the Lake Monroe Sailing club and we DO have approval to use the Monroe Sailing Club facilities, slips are \$35/night. The Lake Monroe trip is subject to change due to the corona virus. The determination will be made at our April 29th BOG meeting and we will let everyone know.

If you don't have a cruising boat, you can still bring your smaller boat to the lake. There is a state campground (Paynetown) nearby. Due to the Covid crisis the campground is currently closed but might be open by then. There are also lots of places to stay in nearby Bloomington. It's a great way to put what you learned in school to practice. If you don't have a cruising boat, you can still bring your smaller boat to the lake. There is a state campground (Paynetown) nearby. There are also lots of places to stay in nearby Bloomington. It's a great way to put what you learned in school to practice.

We will base our traditional summer cruise at the Ottawa Beach Marina on Lake Macatawa near Holland. We will "start" the cruise on Saturday July 18, have our "all together" dinner on Sunday July 19 and then people can do as they please for the rest of the week. Stay the whole week or leave when you wish.

Holland is about a 3-1/2 hour drive from Lafayette. By "home basing" at Ottawa Beach Marina for the entire time, people can come and go as they please. Lake

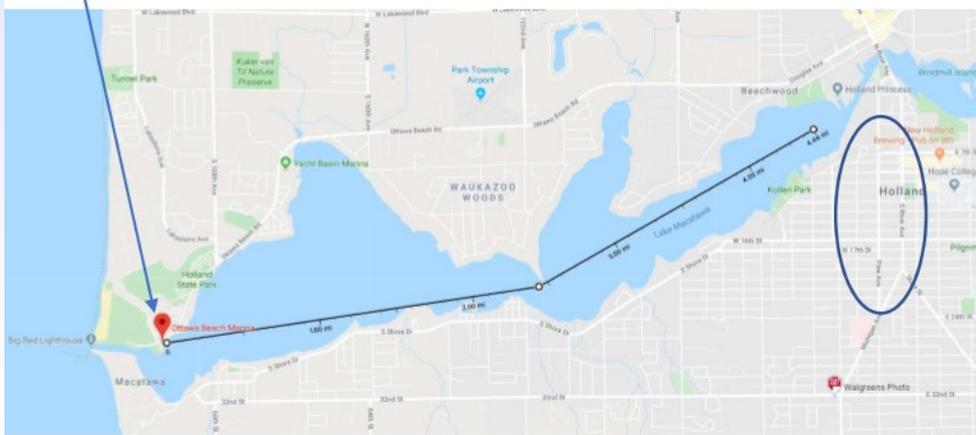
Macatawa has an outlet to Lake Michigan and provides a relatively protected lake. But the channel between the two lakes permits sailing on Lake Michigan in favorable weather conditions.

You can stay on your boat in the marina, there is a state park right across the street where you can camp if you wish, or you can stay in Holland. Any size boat can sail Lake Macatawa, so consider joining us for a couple of days. If you plan to stay at the marina or campground, reservations are open and fill up FAST. So you need to make reservations now (you can always cancel them later). There is a lot of flexibility on this cruise. If veteran sailors want to stretch their legs more than what Lake Macatawa offers, they are welcome to sail on Lake Michigan north to Port Sheldon (anchorage only) or south to Saugatuck/Douglas.

Downtown Holland is a great little town with a large Dutch influence. Tourist shops, all sorts of restaurants and coffee shops fill 8th street with charm. Hope College is just 2 blocks from downtown. Downtown is only a 7-10 minute car ride from the marina.

Anyone interested in any of these cruises or cruising school, please email Mike Nolan at [mnolan@purdue.edu](mailto:mnolan@purdue.edu), so that we can get you on the mailing list for updates and announcements!

Ottawa Beach Marina is close to the channel to Lake Michigan for easy access



Downtown Holland has all the shops and restaurants you will need, the epicenter is 8<sup>th</sup> Street.

Beautiful homes line Lake Macatawa, especially the south shore

# Covid Virus Information

The Board of Governors is actively monitoring the Covid-19 virus situation and even though we know everyone wants to get out sailing, wants to make sure it is done in a safe manner. To accomplish this, the Board plans to:

- Meet more often and send out information via a regular email to club members
- Monitor and comply with all US, state, county and local regulations as we determine what activities to continue, cancel and/or modify.
- Implement additional procedures if needed to insure everyone's health and safety.
- Make regular visits to the harbor by Board members to insure the safety and security of club property and members boats.
- Organized club activities for the month of April have either been canceled or have gone online. Check the website calendar if you have questions about specific activities.
- At this time, it is hoped that our organized activities can re-start in some way beginning in May, but as social distancing requirement will likely still be in place, some of our larger club activities might have to be modified.
- The State of Indiana has issued travel restrictions effective until at least April 20th. We will see if any changes are made after that date and promptly communicate them to club members.
- Technically state parks remain open, but campgrounds, welcome centers, inns, cabins and other buildings are closed. Families are permitted to go outside and take a walk, run, ride a bike, go fishing or boating, but they should continue to practice social distancing by remaining 6 feet away from other people.
- The Board of Governors is meeting again on Wednesday, April 29th and will update the membership at that time.



## Want to get Involved??

The Board of governors (BOG) is always looking for member input and/or new members. The BOG meets (usually over dinner and drinks) about 10 times per year to run the club. Not really a lot of work, but a great way to learn a lot about the club, learn about sailing, and it gives you a great reason to hang out with the rest of us once a month!!!

You can join us if you want; either as an official BOG officer or just as a member. No experience necessary. Just let Commodore Hager or Mike Nolan know and we can get you the meeting schedule time and place.





## LSC has teamed Up with BoatU.S!

BoatU.S. provides a vast range of services, information and savings to recreational boaters, including:

- Members-only discounts and Member Rewards with West Marine equipment purchases
- Discounts on fuel, overnight slips, and repairs at more than 900 marinas nationwide
- BoatU.S. will pay up to \$50 per incident On-The-Water Towing with your basic membership
- Access to high-value, low-cost group-rate boat insurance
- Full year subscription to the award-winning BoatU.S. Magazine

Now you can get 50% off of annual Membership dues when you join the nation's largest association of recreational boat owners. You pay one-half of the regular BoatU.S. dues of \$30 – that's just \$15.00 a year! For more information, go to <http://www.boatus.com/> and be sure to mention our Cooperating Group ID number GA84516S to get the specially reduced rate.

# 2020 Activity Schedule (subject to change)

## May

Friday, May 1st; Spring Callout-Puccinis, 5-8pm-postponed to a later date  
Monday, May 4th; Cruising School-7pm-online  
Wednesday, May 13th; BOG Meeting-7pm  
Saturday, May 2nd; Racing-12 noon  
Friday, May 8th; Moonlight Sail and Bonfire  
Saturday, May 9th; Racing-12 noon  
Friday, May 15th-Sunday, May 17th; Spring Cruise Lake Monroe  
Wednesday, May 20th; Fun Race and Eat-6pm  
Saturday, May 30th; Racing-12 noon

## June

Friday, June 5th; Moonlight Sail  
Saturday, June 6th-Sunday, June 7th; Regatta  
Sunday June 7th, New member welcome and picnic-5pm  
Wednesday, June 10th; BOG Meeting-7pm  
Sunday, June 14th; Racing-1pm  
Monday, June 15th; Sailing School-7pm  
Saturday, June 20th; Racing-12 noon  
Monday, June 22nd; Sailing School-7pm  
Wednesday, June 24th; Fun Race and Eat-6pm  
Saturday, June 27th; on the water sailing school 10 am  
Saturday, June 27th; LSC Open House-12 noon  
Sunday, June 28th; Racing-1pm

## July

Wednesday, July 8th; BOG Meeting-7pm  
Saturday, July 11th; Mini regatta, 12 noon  
Sunday, July 12th; Mini regatta, 1pm  
Wednesday, July 15th; Fun Race and Eat-6pm  
Saturday, July 18th-Friday, July 24th; Summer Cruise, Holland, MI  
Saturday, July 25th; Racing-12 noon  
Friday, July 31st; Moonlight Sail

## August

Saturday, August 1st; Racing-12 noon  
Saturday, August 8th-Sunday, August 9th; Regatta  
Sunday August 9th, BOG picnic -5pm  
Wednesday, August 12th; BOG meeting – 7pm  
Saturday, August 15th; Racing-12 noon  
Wednesday, August 19th; Fun Race and Eat-6pm  
Saturday, August 22nd; Racing-12 noon  
Saturday, August 29th; Racing-12 noon

## September

Friday, September 4th; Moonlight Sail

Wednesday, September 9th; BOG Meeting-7pm

Saturday, September 12th; Racing-12 noon

Wednesday, September 16th; Fun Race and Eat-6pm

Saturday, September 19th; Racing-12 noon

Saturday, September 26th; Racing-12 noon

## October

Friday, October 2nd; Moonlight Sail and Bonfire, 7pm

Saturday, October 3rd; Racing-12 noon

Saturday, October 10th; Racing-12 noon

Wednesday, October 14th; BOG Meeting-7pm

Friday, October 16-Sunday, October 18th, Fall Cruise-TBA

Friday, October 30th; LSC annual banquet, 6pm

## November

Saturday, November 7th, Harbor Appreciation and Cleanup, 10am

Wednesday, November 11th; BOG Meeting-7pm



## Recurring Events

Women Sailing on Wednesdays (W<sup>2</sup>)

-an informal gathering of sailors every Wednesday (weather permitting) starting around 2pm and sailing till ???. No experience required

## Racing

-On Saturday, races start (ready to go) at 12 noon, rain date if needed on Sunday

-On Sunday, races start (ready to go) at 1pm, no rain date

## Fun Race and Eat

-an informal event that might include a race or two (down to the dam and back) followed by getting something to eat and drink afterwards. These races are untimed and unofficial and do not count towards the club championship. We will try to have one per month.

No official rain dates scheduled.

## Cruises

-can be attended by those with and without larger cruising boats. A separate email chain will be created to keep interested cruisers informed about the specifics.



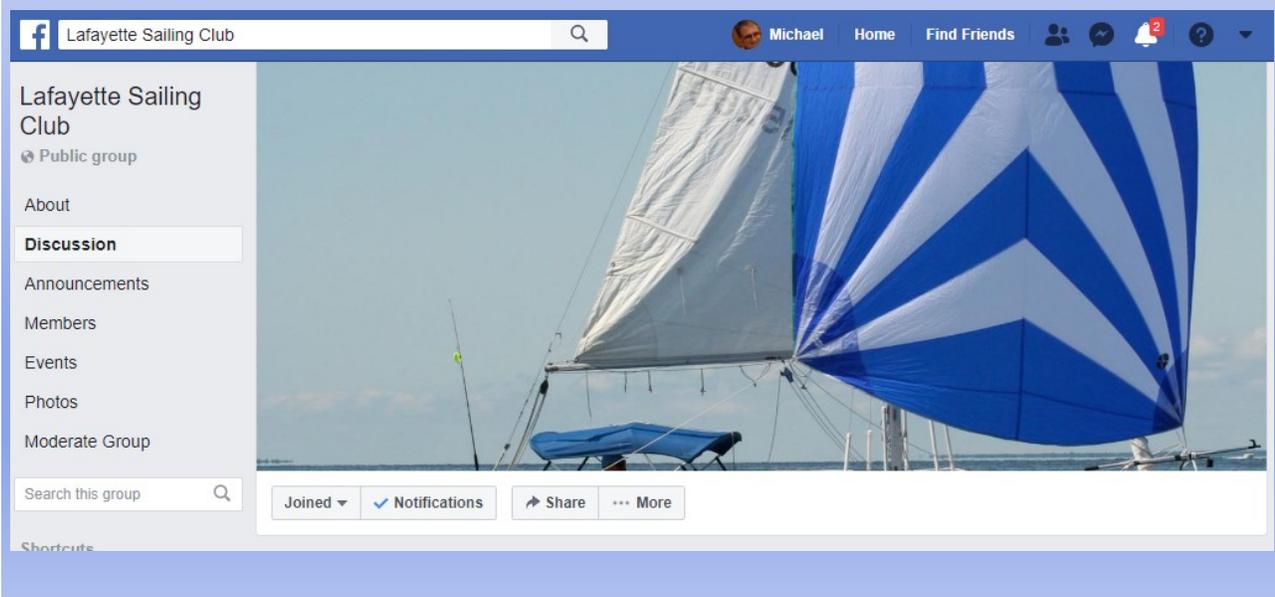
## What's on the website!

Check out the LSC website at <https://lafayettesailing.com/>

You can find all sorts of useful information and pictures there including membership registration forms as well as event dates, contact information, newsletter archives and more!

## Find us on Facebook

The Lafayette Sailing club has a Facebook presence. We will try to post pictures, news events, and invitations to activities. It's a good way to get ourselves out in front of the community. Check us out, join the group, and contribute your pictures!!!

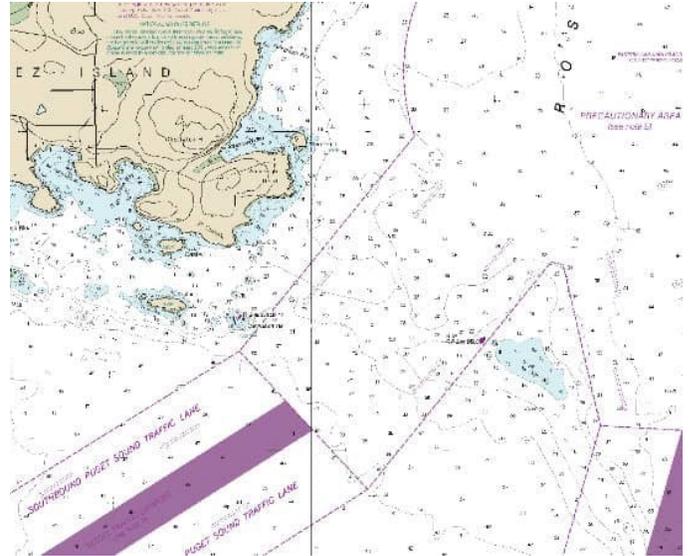


## How are nautical charts made?

Making and updating nautical charts is a continuous process that involves many people from different disciplines and organizations.

NOAA's Office of Coast Survey, part of the National Ocean Service, is the nation's nautical chartmaker. A nautical chart is one of the most fundamental tools available to the mariner. It is a map that depicts the configuration of the shoreline and seafloor. It provides water depths, locations of dangers to navigation, locations and characteristics of aids to navigation, anchorages, and other features. Shown here: part of Rosario Strait, Washington State.

A nautical chart is a map of the sea. Just as a map helps us navigate on land, a nautical chart helps those traveling on the ocean get where they're going safely and efficiently.



In 2017, \$1.6 trillion worth of goods moved through U.S. ports. With all that traffic, it's important that those navigating through our ports and along our coastlines have the information they need about the shape of the shoreline and seafloor, water depths, potential hazards in the water, buoys, anchorages, and other features.

Federal laws say most commercial vessels must have nautical charts while traveling in U.S. waters. NOAA's Office of Coast Survey makes and updates all charts of U.S. coastal waters, the Great Lakes, and waters surrounding U.S. territories. So how do these important resources get made and updated? It's a continuous process that involves many people from different disciplines and organizations.

### Data, Data, Data

It all starts with collecting the data. Historically, chart makers measured water depths with simple methods, like tying a lead weight to a line. Today, NOAA uses advanced technologies to study bodies of water and locate dangerous hazards to navigation, such as shoals or shipwrecks.

Lt. Joseph Carrier deploys a Z-Boat from the NOAA Ship Thom-Jefferson. The Z-Boat uses sonar measure depths as shallow as foot and get that data into processing almost immediately. The boats can also get much closer piers, pilings, and the shoreline.

This data is gathered by hydrographers — people who study the physical characteristics of bodies of water — at the Office of Coast

Survey, oceanographers at NOAA's Center for Operational Oceanographic Products and Services, professionals at other government agencies and international organizations, and even private citizens.

Through sonar, LIDAR, and aerial photography, experts capture some of the data that goes into charts. That includes data about the shape of the coast and seafloor, depth of the water offshore, and features in the water that might hinder navigation.

With sonar, hydrographers bounce sound off the seafloor or underwater objects to determine their features like a dolphin using echolocation to "see" its surroundings. LIDAR works similarly, except it uses light instead of sound. Hydrographers use LIDAR to map features of the seafloor as well as the coast. Pilots also collect information about features of the coast from the air with aerial photography.

Often, humans operating instruments on ships and airplanes collect this data. But, increasingly, NOAA makes use of unmanned systems — robots that collect data where it might be expensive, dangerous, or otherwise impractical to send a human. Data collected with unmanned systems can be better quality, and it can be collected more safely, efficiently, and inexpensively.

## Mapping it Out

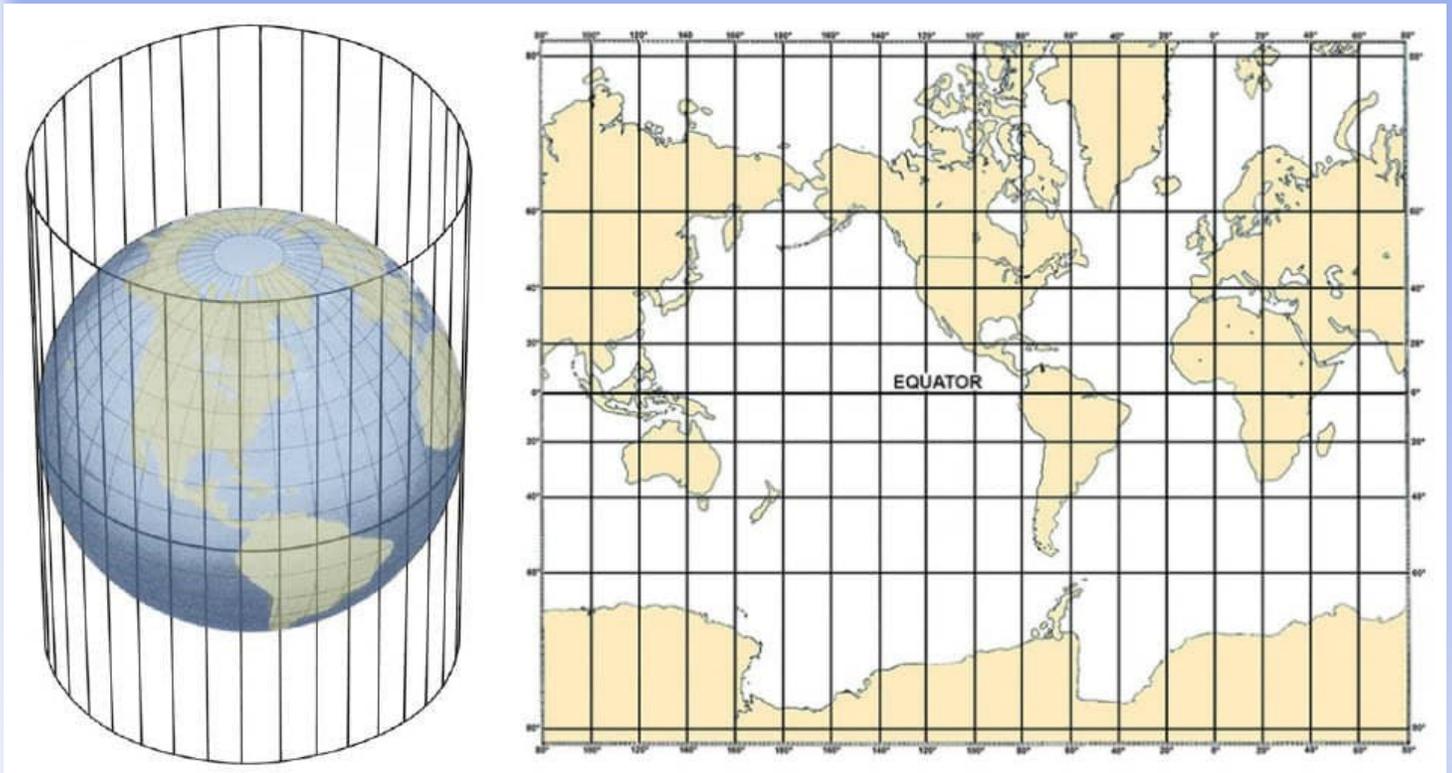
Once we have the data, we have to turn it into a chart. This is not as straightforward a task as it might seem at first. The data we collect about the ocean and coasts describes a 3D world, but a chart is a 2D representation.

Making a flat chart of some section of our Earth requires making a projection. Imagine a spherical globe. Now, wrap a rectangular piece of paper around it, so it forms a cylinder. If there were a light shining from the center of our globe, the features on the globe would be projected onto our piece of paper. If we unroll the paper, we have a rectangular map. Map projections are actually created through mathematical calculation, but this is a way of imagining what happens when a map projection is created.



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NOAA has a team of cartographers who are experts in interpreting data after it is collected. They are responsible for formatting, interpreting, controlling quality, and making sure that it is easy to understand as charts are made ready for use.



The Mercator projection is a cylindrical map projection. Imagine wrapping a piece of paper around a globe to form a cylinder. The map image is what's projected from the 3D globe onto the 2D surface of the paper.

No map projection is a perfect picture of our world. Each projection method introduces its own distortions, so cartographers have to pick the right projection for the job. For charts, that's usually Mercator. Lines of latitude and longitude on the Mercator projection meet at right angles, and any constant compass heading can be drawn on a chart with a straight line. That's why mariners have used Mercator charts since the 16th Century.

## Sea Change

But the story doesn't end there. Our ocean and coasts are always changing. Storms and other natural processes change harbor depths and the shape of coastlines. New channels, harbors, piers, wharves, marinas, pipelines, communications cables, bridges, or buoys get added. Recommended travel routes change. All of these updates have to be put on the charts.

And, of course, we're always working to improve the quality of our charts. Many charts are based on data collected in the very early days of surveying, when data was collected with methods that are now outdated. These charts are accurate, but incomplete. With today's technology, NOAA is working to complete and update charts for these underserved areas, such as Alaska and the Arctic.

# Look good this sailing season!!!!

## Club logo apparel available!

LSC has partnered with Coral Reef Sailing to produce LSC logoed apparel and other items. The apparel is high quality and includes the LSC logo and name on each item. Two more lines of custom text can be added to most items if you wish. LSC receives a small percentage of each sale, so your purchases help out the club! LSC has been added to the SHIPS STORES link on Coral Reefs ships stores page, but you can directly access our page at <https://www.coralreefsailing.com/index.php/club/lafayette-sailing-club.html>.



Cotton Hat (Lafayette Sailing Club)

★★★★★  
\$22.00



Unisex Mesh Polo (Lafayette Sailing Club)

★★★★★  
\$32.00



Men's Short Sleeve Tech Shirt (Lafayette Sailing Club)

★★★★★  
\$32.00



Men's Long Sleeve Tech Shirt (Lafayette Sailing Club)

★★★★★  
\$35.00



S/S Adult Cotton Tee (Lafayette Sailing Club)

★★★★★  
\$22.00



Columbia Women's Benton Springs (Lafayette Sailing Club)

★★★★★  
\$62.00



Columbia Men's Steens Mountain Fleece (Lafayette Sailing Club)

★★★★★  
\$60.00



Unisex Hooded Rugby Pullover (Lafayette Sailing Club)

★★★★★  
\$58.00





The Lafayette Sailing Club is an organization composed of individuals and families interested in sail boating and sail boarding. The club was originally formed in 1969 by a small group of Purdue University and Lafayette area individuals interested in sail-boat racing.

Membership is open to anyone interested in sailing. The club maintains it's own harbor on Lake Freeman. Members may park their boats at the harbor. The club also owns three sail-boats available to any member.

Membership information can be obtained at <http://www.lafayettesailing.com>

