



Susquenango
SeaChest



Monthly Publication

October 2023

Volume 68 Issue 10

District 6

Susquenango Happenings

18 October 2023 – Executive Meeting, 6:00 PM
Park Diner 119 Conklin Ave. Binghamton, NY 13903
Order off the Menu

D/6 Fall Conference

Date: Saturday, October 21, 2023

Time: 10:00 AM – 6:00 PM

Location: The Cavalry Club, 4801 Troop K Rd, Manlius, NY 13104

See the District 6 Deep Six email sent to all D6 members for full details and registration

BOSCOV'S FRIENDS HELPING FRIENDS

Again this year, our Squadron will be participating in the Boscov's Department Store "Friends Helping Friends" Day on **Wednesday, October 18** at the Binghamton store (13-23 Court St.). Our organization will sell 25% discount passes at \$5 each that are good for purchases made on that date. In addition, shoppers will be eligible to win fabulous prizes including shopping sprees and more! The best part is Susquenango keeps the entire \$5 from every shopping pass sold.

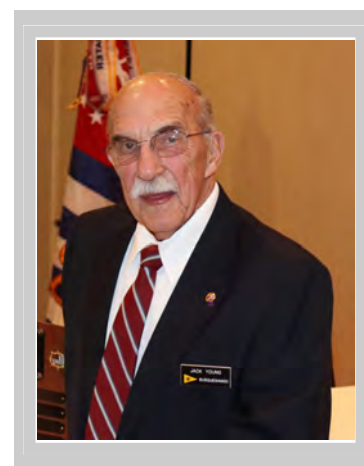
Please contact Commander Mary Kucharek at 607-722-5136 or marykuch47@gmail.com.

Susquenango Sail and Power Squadron Fall Class Schedule

America's Boating Course – 5 Mondays starting October 16th to November 13th, 2023, 7 – 9 p.m.

Classes held at Johnson City High School, 666 Reynolds Rd., Johnson City, NY

For more information and to register: www.susquenango.org
or call Les Smith at 607-797-7391



P/D/Lt/C John Young, AP
Editor Emeritus





SeaChest

Published Monthly by
Susquenago Sail & Power Squadron Inc. a unit of the United States Power Squadrons



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Address communications to **The Editors, 3801 Country Club Rd. Endwell, NY 13760-2510, (607)296-3482, e-mail - acciaim@stny.rr.com.** Material for a particular issue must be received before the fifteenth day of the prior month.

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Commander's Comments



Today I am contemplating a big event in my life. On October 3, I am scheduled to have back surgery. Not something one looks forward to but it is necessary. I anticipate being in recovery at Lourdes Hospital for a few days. Asking for your good thoughts and prayers.

Our meeting at Thirsty's went well, but was a bit noisy from the bar. Always good to try new venues but they don't always work out. As I've said before, if anyone has ideas for meeting places, please let Linda Rought know. She has secured the Park Diner for our October 18 meeting and Grande for the Holiday party on December 9. Still working on November.

Looks like some pleasant early fall weather for putting boats away. Ours is already tucked in our barn for the winter. Hope everyone has an uneventful time storing your vessels.

Our Boscov's Friends Helping Friends fund raiser will be here before we know it. As you know, when you "sell" a 25% off pass to your friends and family for \$5.00 that money stays with our squadron. We will once again have a table at Boscov's on 18 October and will be located near the handbags like last year. Thanks to those who have volunteered to help on that day – Mike & Peg Acciai, Bob Kucharek, Nancy Bieber, Cris Broderick and Ann Smith. If you would like to pick up passes to sell prior to the event just give me a call or email.

Reminder - the next district six event will be held on 21 October at the Cavalry Club in Manlius, NY. This is a one day event. Details will be out soon.

Continue enjoying our beautiful fall weather - Happy boating!

And remember... **"Life's roughest storms prove the strength of our anchors".**

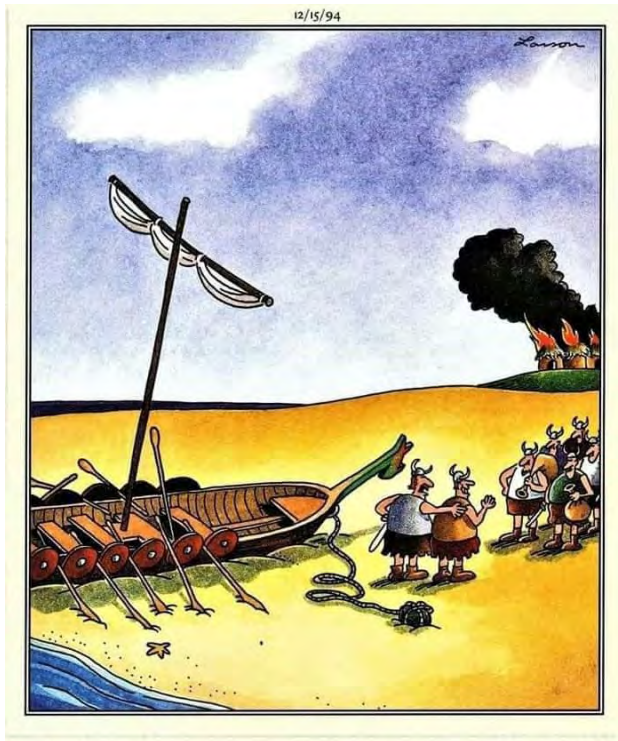
Commander Mary



America's Boating Club Education Courses Available for You

See all at:

<https://americasboatingclub.org/index.php/learn>



“Everyone can just put down their loot and plunder, and Sven here—yes, old Sven, who was in charge of reading the tide chart—has something to say to us all.”



Advanced Marine Navigation (Advanced Piloting)

Don't be like Sven!
Know before you go!
Take an America's Boating Club Course

Do you want to navigate unfamiliar waters in limited visibility or take an extended cruise with confidence? Learn to use manual navigation, radar, chart plotters, AIS, and other electronic tools in a variety of coastal tide, current and wind conditions. Learn course planning, extended cruise navigation, hazard and collision avoidance, and navigational aids. Our experienced instructors and extensive knowledge base makes you a better captain.

What's included?

- Advanced positioning techniques, such as advancing a line of position to obtain a running fix
- Use of a variety of electronic tools: radar, depth sounders, autopilots, chart plotters, laptop computer software, and more
- Hazard avoidance techniques using electronics (e.g. avoidance waypoints or safety zones in GPS)
- Collision avoidance using radar, GPS, and AIS
- Working with the tide and current data to determine clearances, depth of water, and effects of current
- Piloting in various wind and current conditions
- Simple skills for checking that one is on course

Ten classes of two hours each normally are scheduled for the presentation of this course. In addition, the students have seven days to complete an open book exam.

Speaking of Tides

Part 1 and 2 of a continuing series by
PC Anselmo Miranda Martyr JN
America's Boating Club, D - 33.



The Tides Written # 1

A person who loves navigation must have a good knowledge of tides.

This includes understanding how tides work, how they are generated due to the gravitational influence of the Moon and the Sun, and how they affect navigation. They should know the basics of high and low tides as well as tide changes in different geographical areas. Knowing how to read tide charts and using this information to plan your crossings and avoid hazards in the water is also essential.

Understanding tidal currents and how they can influence navigation is another important aspect.

In short, a seaman must be well informed about tides to ensure safety and efficiency at sea.

For everything explained above I will be doing several articles about the basic concepts of tides and their importance in navigation.

PC Anselmo Miranda Martyr JN
America's Boating Club, D - 33.

The Tides Written # 2

The effect of the moon

The effect of the moon on tides is mainly due to its gravitational attraction to Earth.

The Moon exercises a gravity force that causes a surge of water on the part of Earth that is closest to the Moon. This creates a high tide in that place. At the same time, on the opposite side of the Earth, another high tide occurs due to the centrifugal force resulting from Earth's rotation.

In between points, where you are neither the nearest point nor the furthest point from the Moon, low tides are experienced.

So, because of the Moon's gravitational influence, we experience two high tides and two low tides each day, known as half-day tides.

This phenomenon is due to the relationship between the Moon's position and the Earth's rotation, and it's what generates the tides we observe on most shores. Remember that in this writing the effect of the Sun on the sea is not explained. This will be the topic of another article.

PC Anselmo Miranda Martyr JN

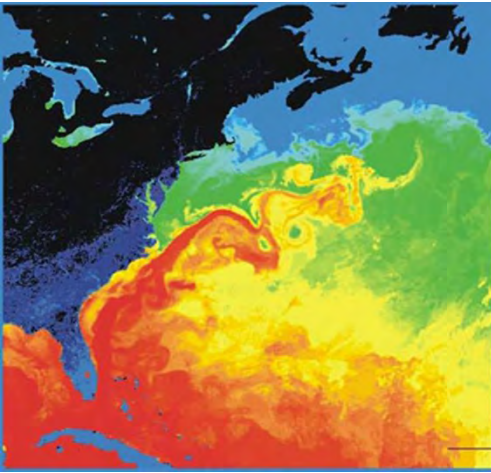
The only thing Flat-Earthers fear.

Is sphere itself.

Don Paul: A slower gulf stream could be a 'tipping point'

THE BUFFALO NEWS

It has happened before in the Earth's past. The Gulf Stream is slowing down.



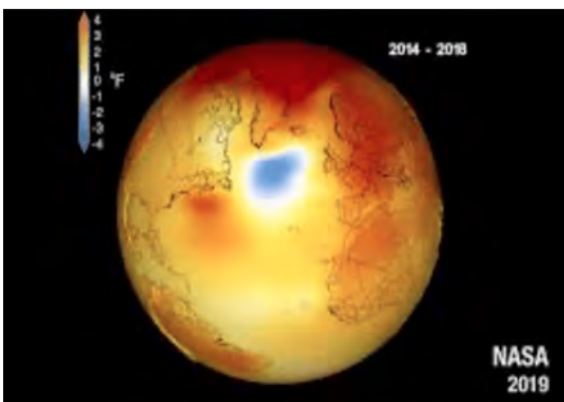
This **NASA image** depicts the current which is part of a tangle of currents collectively called the Atlantic Meridional Overturning Circulation, or AMOC. If the slowing trend continues it may have major consequences.

The northern branch of the Gulf Stream is a giant heat engine, transporting tropical waters' heat to northern latitudes. It's estimated this current delivers to Scandinavia 78,000 times its annual energy use. Its moderating impact is greatest for Greenland and western Europe. The transport of the tropical warmth makes London far more temperate, at a latitude of 51 degrees north. Oslo has cold winters, but imagine a city at more than 59 degrees north without help from the Gulf Stream. (By comparison, Buffalo is at just under 43 degrees north.)

Evidence is strengthening that the AMOC and its Gulf Stream tentacle are slowing down. The culprit appears to be a warming climate, with the fastest warming occurring at high Arctic latitudes as predicted even in early climate models. The Arctic warms faster because the thinning and disappearing Arctic sea ice, which reflects much of the sun's heat energy back into space, gets replaced by dark ocean waters which instead absorb the energy which used to be reflected. This rapid warming is sending glacier freshwater runoff into the sea as well as Greenland ice cap melting runoff. The huge influx of freshwater dilutes the salinity of North Atlantic water. How much dilution occurs is critical.

Paleoclimatologists, using ice core and sediment samples, know the Gulf Stream slowed down drastically several times after the Earth's last ice age, which peaked around 22,000 years ago. There is also evidence the weakening occurred over a period of just a few decades. A new study published last week in *Nature Geosciences* focuses on the current apparent weakening, and is one of several newer studies gauging the speed and amplitude of the weakening. There is much new data because oceanographers have been able to string a virtual necklace of sensors around the Atlantic to get a far more detailed fix on the state of the AMOC and its many tentacle currents.

Some – not all – leading oceanographers are worried the newer higher resolution data suggests the weakening is on a trend of acceleration. As described by scientists in a *New York Times* article, the weakening could lead to faster sea level rises in the Atlantic basin, as well as a buildup of excess heat energy in tropical Atlantic waters. That could intensify hurricanes and make them more likely in the southeast U.S. It could also spread more severe drought and famine in the Sahel region of Africa. In the *Times*, one such oceanographer commented: "We're all wishing it's not true," Peter de Menocal, a paleoceanographer and president and director of the Woods Hole Oceanographic Institution, said of the changing ocean currents. "Because if that happens, it's just a monstrous change."

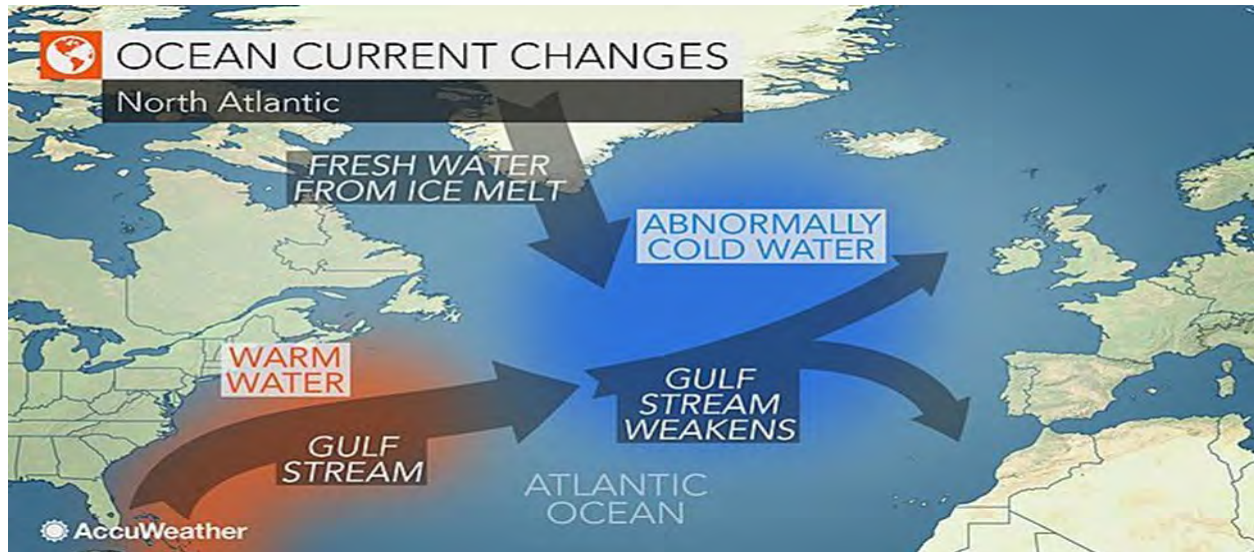


The diluted salinity from fresh meltwater brings the risk of slowing or stopping the turnover in North Atlantic currents which sends sinking cooler waters back south to the tropics to be reheated and transported north again. Less salty water is more buoyant, and therefore doesn't sink as readily. When this happens, the formation of a "cold blob" in the North Atlantic becomes more apparent, as seen in this **NASA image**. If the cold blob sits in place instead of feeding the return current to the tropics, the entire AMOC slows down or may even stop. That would be part of a climate tipping point which produces regional cooling in an otherwise warming world.

Continued on Pg 6

Continued from Page 5

Such cooling would be far more than merely ironical. It would spell harsh cold returning to western Europe. The basic mechanism is well illustrated in this **AccuWeather diagram**.



As Columbia University’s Dr. Wallace Broecker told The New York Times in 2019:
“The climate system is an angry beast and we are poking it with sticks.”

A primary point of concern for many climate and ocean scientists is the rapidity with which a sharp slowdown or shutdown has occurred in the past, 12,800 years ago. The paleoclimate data shows a rapid period of warming (obviously not caused by humans such as is the current warming) took just a few decades for glaciers to retreat, forming a blocking cold blob. In just a few decades, Greenland and much of western Europe was plunged back into Arctic cold, with mean temperatures dropping 18 degrees Fahrenheit for about 1,300 years. This drastic regional cooling then retreated even more rapidly than it had advanced.

Until the 1990s, it was largely thought such drastic changes took much longer to progress, but the abundant paleoclimate data proves there are some mechanisms which can set up with startling and dangerous speed. That such a dramatic cooling is triggered by a warming climate is a point of alarm. Greenland’s ice cap is now melting at six times the upper range of projected melting, **according to NASA**.

There are caveats to these scenarios. There is disagreement as to how much AMOC and the Gulf Stream are actually slowing. Data in 2009-2010 detected an important increase in the rate of slowing, and alarm bells went off because that rate of slowing, if it continued, would cause huge climate impacts more quickly. However, the rate of AMOC slowing, in fact, itself slowed down in the following decade for several years. It now appears to be accelerating again. This may be because the subpolar North Atlantic is now less salty than at any time in the last 120 years, according to a study in Nature last year.

While there are some skeptics on the rate of AMOC slowing, there is also evidence of probable impacts from the already-present cold blob which were not predicted. The U.K. National Oceanography Centre linked the cold blob with extreme heat waves in Europe during 2015 and 2018 because, they stated, the jet stream was dipping south and detouring around the blob. That dip delivered North African and tropic heat to the continent. None of this had been showing up in climate models.

From:
by land or by sea
Cuisine of the United States Power Squadrons

Apple Coconut Cake

Cake

- | | |
|--------------------------|--------------------------------------|
| 3 cups all-purpose flour | 2 teaspoons vanilla |
| 1 teaspoon baking soda | 2 cups chopped pecans |
| 1 teaspoon salt | 3 cups peeled chopped cooking apples |
| 1 cup vegetable oil | ½ cup flaked coconut |
| 3 eggs | |
| 2¼ cups sugar | |

Combine flour, baking soda and salt. Set aside. Combine oil, eggs, sugar and vanilla. Beat with an electric mixer at medium speed 2 minutes. Add dry ingredients and mix at low speed until blended. Fold in pecans, apples and coconut. Batter will be stiff. Spoon batter into a greased and floured 10-inch tube pan. Bake at 350 degrees 1 hour, 10 minutes.

Glaze

- | | |
|--------------------------------|----------------|
| ½ cup packed light brown sugar | ¼ cup milk |
| | 1 stick butter |

Combine brown sugar, milk and butter in a saucepan. Bring to boil and cook, stirring constantly, 2 minutes. Cool to lukewarm. Remove cake from pan and immediately drizzle with glaze.

Yield: 10 to 12 servings

Susie Orren • Johnson City Power Squadron • Tennessee

Why do we call them olives
instead of
Greece's Pieces



off the mark.com

by Mark Parisi



What if they close
grocery stores
and we have to
hunt for our food?

I don't even know
where Little
Debbie lives.



If you're gonna swim... **SWIM**
If you're gonna boat... **BOAT**
If you're gonna get drunk...
STAY HOME



I remember the spoon's taste
more than the Ice Cream .



Have a Happy Halloween

October



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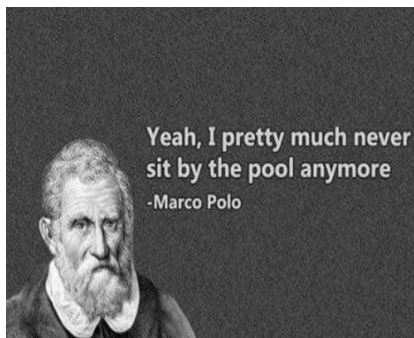


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OCTOBER



I wonder if
the people paying \$300
for a colon cleanse
even know about
Taco Bell's \$4.99 deal



At some point beer was involved



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