

The Porthole

Mar. /April 2023



AMERICA'S BOATING CLUB
UNITED STATES POWER SQUADRONS®

Ann Arbor Sail and Power Squadron
A unit of United States Power Squadrons in District 9

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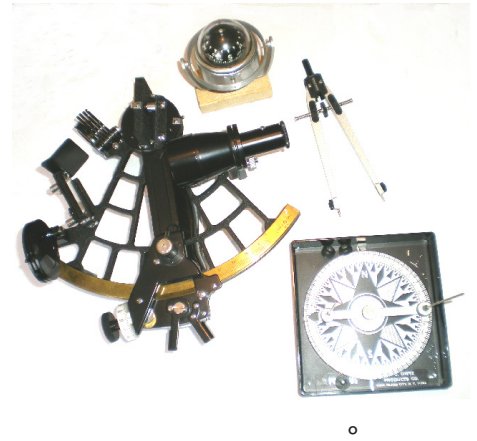
Ann Arbor Sail and Power Squadron

General Meetings are usually held each month, Sept. thru June
See page 3



Boating Education since 1965

58 YEARS SERVING
THE BOATING PUBLIC



CONTACTS

Visit our web site
www.aaspsq.org/

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If you are not getting this Porthole by e-mail, in color, please send me your e-mail address. schwartzr348@aol.com

Members can update their email address in one of two ways:

1. Go to the Information Center, www.usps.org/info and update your record.
2. Contact HQ Membership Staff by phone or email:
Deliah Holloway, hollowayd@hq.usps.org Phone 1-888- 367-8777 ext. 229 or
Lynnda Stevens, stevensl@hq.usps.org Phone 1-888-367-8777 ext. 219.

D9 Squadrons that have dissolved: Grosse Ile, Grand Rapids, Irish Hills, Kalamazoo, Muskegon, Rogers City, South Bend, Tip of The Mitt. Warren.

Thank you Shih-Chieh Yin for your Porthole design on the front page.

We thank Bradley and George Schwartz and Evrard Ohou for help with computer consulting.





Member Meeting Monday, 17 April 2023
5 P.M to 8 P. M. at Alpha Koney Diner
4389 Jackson Rd. Ann Arbor, 48103
734-780-7102
<https://www.alphadiner.com/#loc-offset>
42 17.1' N 83 49.0' W

Sail and Power Boating Education

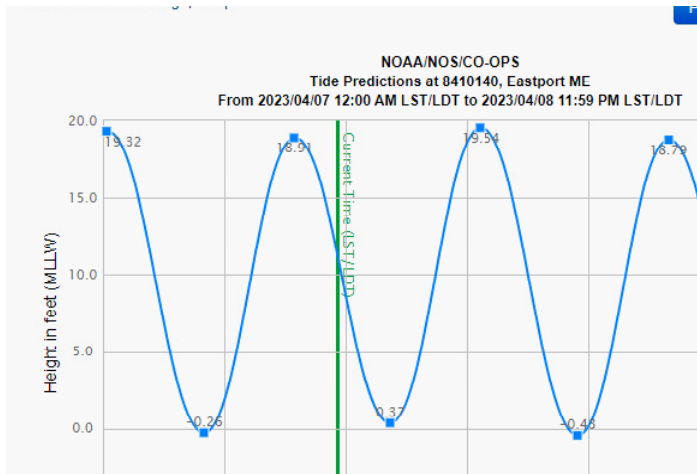
www.aaspsq.org/

All are welcome

We will meet at 5 P.M. at the Alpha Koney Diner in the Parkland Center, a small strip mall on the south side of Jackson Road, west of Park Road. Order from the menu. They close at 8 PM. Please RSVP to Ron Schwartz 734-769-3476.



Program: Ron will give a talk about Tides, Northeast United States and Canada -- Maine, Nova Scotia and Sable Island.



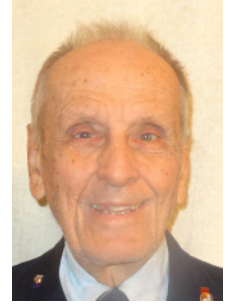
Tides in Eastport Maine

Wild horses on Sable Island in Nova Scotia





Commander's Message Cdr. Ron Schwartz, SN



Coriolis Effect is the explanation given for the Trade Winds around the world. Coriolis force appeared in an 1835 paper by French scientist Gaspard-Gustave de Coriolis. Wikipedia gives a mathematical description of this. I think a common sense explanation is possible. The earth rotates one full revolution every 24 hours. That's 360 degrees per day. Each degree is 60 nautical miles at the equator so objects at the equator are moving at a speed of $360^\circ \times 60 = 21600$ miles in 24 hours or 900 miles per hour. The air, water, everything at the equator is also moving toward the east at 900 mph. In Cape Canaveral, Florida, Satellites are launched toward the east to take advantage of this eastward momentum. At Cape Canaveral, FL., eastward velocity = $900 \cos \text{Latitude}$ or $900 \cos 28.4^\circ = 900 \times 0.7917 = 713$ kn.

The air near the equator rises due to being heated by the sun then moves toward the north and south poles and still has some of its easterly momentum. Surface air from higher latitudes with lower easterly speeds moves toward the equator. This air, going slower than 900 kns. feels like an easterly wind near the equator (easterly trade wind). Some of the high velocity upper winds moving toward the poles returns to the earth's surface near the 30° latitudes (horse latitudes) and moves toward the poles. This has a higher easterly velocity than the earth's surface under it so it becomes the westerly trade winds in the higher latitudes.

Michigan Boating Information: Michigan DNR Lake web site showing water depths have poor print



Freddy Ohou and Peggy's Welsh Terrier, Chloe in Ron's canoe on Halfmoon Lake. Photo by Peggy Moller.

Boating Education

Our Basic Boating Course is almost complete. We have two students who took the 1st half from the Michigan DNR. They are now working on the Bowditch Bay Cruise and USPS exams.

Please reply to schwartzr348@aol.com and list courses and seminars you would like to take. Courses being offered by all local Squadrons are advertised, at <http://www.usps.org/cgi-bin/nat/eddept/800/cfindx.cgi?C>

USPS offers some very interesting courses. Weather, AP, JN and N are fun courses even if you don't go boating. I've taken Weather three times between 1970 and 2012 because scientists are learning new things about the weather every year.

On-Line courses and seminars can be found on the USPS web site usps.org click on Americas Boating Club

Courses and seminars available from USPS are listed below. Courses take about 16 hours - 8 weeks . Seminars are about 2 hours long.

Seminars: Advanced Powerboat Handling AIS Electronics for Boaters Anchoring Boating on Rivers, Locks and Lakes Crossing Border Emergencies on Board Fuel and Boating Radar for Boaters (RA) Hands-On Training How to Use a Chart Hurricane Preparation for Boaters Introduction to Navigation Knots, Bends, and Hitches Man Overboard Marine Radar Mariner's Compass Seminar Mastering the Rules of the Road Paddle Smart Propane Systems on Your Boat Partner in Command Sail Trim Tides and Currents Trailering Your Boat Using GPS Using VHF and VHF/DSC Marine Radio

Advanced course: Seamanship (S) Piloting (P) Instructor Development (ID) Advanced Piloting (AP) Cruising and Cruise Planning (C and CP) Engine Maintenance (EM) Electronic Navigation (ENCE) Marine Communication Systems (MCS) Marine Electrical Systems (MES) Sail (Sa) 2009 Junior Navigation (JN) Navigation (N) Weather (Wx) 2012

A Partial List of Events

DATE	SPONSOR	EVENT AND LOCATION
April 17	AASPS	5:00 PM General Meeting at Alpha Kony Diner See page 3
April 28-29	D9	Spring Conference: Double Tree Hotel in Bay City Friday night hospitality room, Saturday meetings, fun presentations, and a change of Watch. Planetarium open for special viewing, Visit the d9-usps.org website and calendar for more information