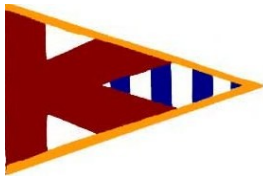


The Pilot

Kalamazoo Sail & Power Squadron

a unit of the United States Power Squadrons®



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www.ksp-s-usps.org

Commander's Message

The 3rd week of May, May 19-25 is National Safe Boating Week. On 19 May, from 10 am to 1 pm, KSPS will be at the Portage Family Fish Fair at Ramona Park, 8600 Sprinkle Rd. We will be demonstrating Reach and Throw, as rescue techniques for kids - reaching with an oar, boat hook or towel and throwing a type IV cushion or rope to a target. There will be a PFD scramble for kids, during which they will try to find the right size PFD for themselves and put it on.

We will also set a record for the most PFDs worn at a time in Portage for the Ready, Set, Wear It campaign. We plan on doing that around 11 am, so bring your PFD, put it on and smile for the camera.

As I was delivering flyers about our upcoming Vessel Safety Checks to various locations, I asked Kevin Miller at Gull Lake Marine if he would be willing to donate a PFD to display at our events. He said yes! And donated a dog PFD. It fits a stuffed dog that we can take to all our public events and VSC days. It will impress the kids and be a conversation starter for adults on life jacket safety. Thank you Gull Lake Marine!

Wally Corder has placed a Safe Boating article in the Austin Lake newsletter, and we hope the Kalamazoo Gazette and Battle Creek Shopper print our articles during Safe Boating Week May 19-25.

USCG Icebreaker Mackinaw

Our presentation for the Tuesday 08 May meeting at Gull Lake View Golf Course, 7417 N 38th & M-89 will be Dr. John Childs, from the USCG Mackinaw Museum.

The United States Coast Guard icebreaker Mackinaw known as the "Queen of the Great Lakes" was built during World War II to meet the heavy demands of wartime material and transportation during the winter months.

Decommissioned in 2006, she now resides at her namesake home of Mackinaw City, Michigan, and is open for public tours and group events. Hear the story of the Mackinaw's 62-year career breaking ice on the Great Lakes and serving as a goodwill ambassador throughout the region. Her ham radio call sign is WAGB-83, Her website is <http://www.themackinaw.org/>



*KSPS Commander
Lyndell R. Bleyer*



Calendar: KSPS Activities, Events and Meetings (mark your personal calendar)

May General Mtg Dr John Childs—Mackinaw Ice Breaker Tue. 08 May - Time: 6:30 - 9:00 Gull Lake View Golf, 7417 N 38th & M-89	19 - 25 May Nat'l Safe Boating Week Saturday 19 May Portage Family Fish Fair Ramona Park - 8600 Sprinkle 10am-1pm Ready, Set, Wear It PFD event 11 am	June Executive Committee Mtg Tue. 12 June - Time: 6:30 - 9:00 Focus on Membership Strategies Location: Brewsters - 5315 Portage Rd.
09 June VSC Gull Lake - Prairieview Park 23 June VSC South Haven Launch Ramp Boats & Brats at Black River Yacht Club, 280 Oak St, South Haven	US Coast Guard Parade in Grand Haven Saturday 4 August Come march in the parade with other District 9 squadrons	USPS 2012 Governing Board Meeting 4 - 9 September 2012 Detroit Renaissance Marriott Hotel Lots of pre-mtg activities/volunteer opp.

Current & Upcoming Classes

ABC America's Boating Course

Battle Creek ABC: 12 students graduated Thursday 26 April

Introduction to Charting offered FREE to ABC graduates at Lakeview Middle School in Battle Creek. May 3—17 Rm: B-14 300 S 28th St (off W. Columbia) Call Nils (269) 964-6690

Seamanship will be offered after Charting ends. Contact Karen.

Seminars Most seminars cost \$25 for USPS members, and \$35 for non-members, but some are slightly higher. Since KSPS has to order and pay for seminar materials. Students will be asked to pay in advance for seminars. Dates and locations are being arranged and will be announced shortly.

Sail Trim Seminar in South Haven - George Tyler 269-671-4560
 Details on page 4.

Contact Wally Corder if interested so he can order sufficient guides. 269-365-3398 Detailed descriptions www.ksp-usps.org

Next Meeting - Tues. 8 May

Kalamazoo Sail & Power Squadron

Social time 6:30 pm, Dinner at 7

Presenter: Dr John Childs

USCG Icebreaker Mackinaw

Gull Lake View Golf Course, 7417 N 38th & M-89



The Pessimist complains about the wind, the Optimist expects it to change, the Realist adjusts the sails.

William Arthur Ward

May Birthdays

04 Kent Choate
 12 Judy Dorais
 15 Ron McPhee
 16 L. John Goes
 26 Gary Bleyer
 26 John Penniman



June Birthdays

06 Dick Walter
 16 Bruce Dorais
 19 Maris Soule
 20 Bob Beck
 24 James Henning
 25 Diana Goes
 26 Jane Chappell
 30 Susan Norrod

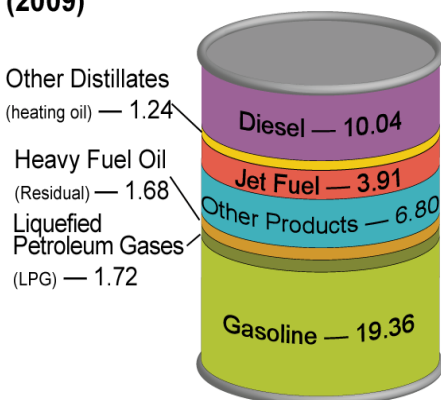
Basic Courses, Advanced Grade Courses & Electives— Call contact for updates & to register

Course	Date	Contact Person	Telephone	e-mail address
America's Boating Course: Battle Creek	22 Mar - 26 Apr	Nils Strand	269-964-6690	nils.strand@gsa.gov
America's Boating Course: Kalamazoo	27 Feb - 26 Mar	Wally Corder	269-365-3398 (c)	wccorder@hotmail.com
DNR Course (age 12 - 16): Kalamazoo	27 Feb - 26 Mar	Register via Com. Ed	269-337-0446	Lois 345-4521 or Hladky
Intro. To Charting: Battle Creek	after ABC in BC	Nils Strand	269-964-6690	nils.strand@gsa.gov
Seamanship (Mon 7-9 pm/buffet 6pm)	8 weeks	Karen Strand	269-964-6690	karenstrand@sbcglobal.net
Piloting (Thursdays 6:30-8:30 pm)	27 Oct - 26 Jan	George G & Diane H	269-375-4024	gunkholer1889@yahoo.com
Advanced Piloting	Self study 2012		How about you?	Could you teach AP? Call Wally
Junior Navigation	TBD	Robert Landeros	269-501-2757	robert.landeros@sbcglobal.net
Navigation	TBD	Robert Landeros	269-501-2757	robert.landeros@sbcglobal.net
Cruise Planning CP (Mon 6-8:30)	Mar 2013	Karen Strand	269-964-6690	karenstrand@sbcglobal.net
Engine Maintenance (Wed 6:30-8:30)	Winter 2012	Dan Livingston	269-781-2328	autodan@yahoo.com
Instructor Development	Spring 2012	Lois Whitmore	269-345-4521	dogwood17@charter.net
Marine Electronics	TBD	Harold Hladky	269-274-1995	harold.hladky@wmich.edu
Operations Training (4-6 hrs)	Spring 2012	Wally Corder	269-365-3398	wccorder@hotmail.com
Sail & Advanced Sail	TBD Spring	George Tyler, Jr.	269-671-4560	gtn8kjd@tds.net
Weather	TBD Fall	H. Hladky & G. Tyler	269-375-2586	Harold H. or George Tyler, Jr

Marine Fuels - Problems with Diesel and Ethanol

At our April General Meeting, KSPS member Dan Livingston, who is our XO and coordinator for Engine Maintenance, spoke about Marine Fuels. He adapted a PowerPoint developed by Valvtech and added to the presentation from his wealth of experience.

Products Made from a Barrel of Crude Oil (Gallons) (2009)



Diesel fuel is more prone than gasoline to problems with incomplete combustion, deposits and poor emissions. Deposits on injectors, valve and in combustion chambers can have negative effects on boat performance. Diesel fuel of the ultra-low sulfur variety has far less natural lubricity, and all #2 diesel fuels have the potential for cold weather gelling.

Storing diesel fuel, during the non-boating season, leads to potential for oxidative breakdown, build up of harmful water in the storage tank, and microbial growth which necessitates use of a biocide.

Any petroleum product - gasoline, diesel, natural gas, fuel oil - reacts with things in the environment like water, metals and light. Light acts as a catalyst to accelerate oxidation leading to the formation of polymers. Over time, the fuel starts to separate and break apart. Fuel which has oxidized and stratified like this loses some or most of its ability to combust at an optimal level. This means poor or incomplete combustion, formation of deposits, more unburned or partially burned fuel leaving the combustion chamber (poor emissions), and less-than-optimal fuel economy. Source: <http://EzineArticles.com/5085791>

Filters are primarily designed to remove inorganic debris resulting from fuel degradation. The water separator is designed to remove free water. A filter and water separator combination is essential in any diesel application. However, a separator and filter combination or a centrifuge cannot remove emulsified water. Most of the debris you see on the filter elements, the stuff that clogs your filters, is the result of the fuel having begun to form solids.

Ethanol fuel is most often used as a biofuel additive for gasoline. E-10 or 10% may be replaced with 15% ethanol. Concerns about ethanol production and use relate to increased food prices from diverting corn, potatoes, sugar and other food products to fuel and to the large amount of water and energy needed to grow and process it.

E-10 ethanol blend gasoline is not safe for most marine engines. Boat engines that exist in water environments require extra care and monitoring. Boaters increase their risks because they tend to store fuel in their boat's gas tank much longer than in their cars. Boats are used most often during humid months. Moisture from humidity will be absorbed into an unsealed fuel system.

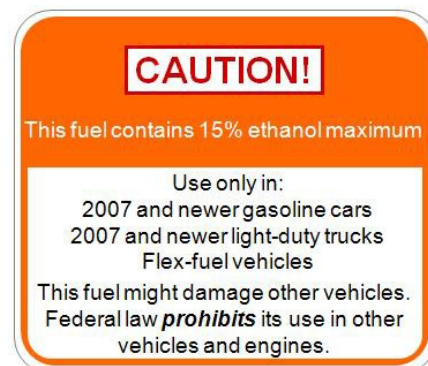
The primary reason ethanol is harmful is due to alcohol's solvent and water-absorbing properties. Ethanol is an excellent solvent that will dry-out, crack or dissolve plastic, rubber, some fiberglass and even aluminum.

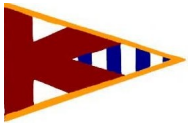
Many engines on the road, as well as garden tractors, leaf blowers, chainsaws, etc. were not designed for alcohol blend fuels. Many engines, especially older ones, are constructed with parts that become very brittle over time and cannot withstand the effects of alcohol. Many engine hoses of older engines are not alcohol resistant.

When E10 gas is used, the engine components can disintegrate and clog the engine with sludge and grime, causing the engine to "lock up" and seize. When this happens, often the engine cannot be fixed and must be replaced. At the very least, using ethanol in a marine engine will result in less mileage and problems such as knocks, rough running and stalling. Ethanol will clean and release years of dirt, rust, sediment and other gunk and circulate it through the engine, causing clogging of filters and engine parts. Ethanol will absorb water. Ethanol ignites at a higher temperature, compared to conventional no-alcohol gasoline, causing damage to pistons. Valvtech stabilizer prevents separation during storage.

Now the government is considering raising the blend from 10 to 15 percent ethanol. And Michigan is one of 12 states that do not require gas pumps to be labeled.

So spend a little more by filling your boat at a gas dock instead of a gas station. You'll get better performance and spare yourself a lot of grief. Just be sure the gas dock is regularly inspected and Valvtech certified. Go to [Valvtech](#) to find a marina. Also check out [Lehr](#) propane marine engines.





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Boating is fun... We'll show you how!



2012 KSPS Bridge Officers

(please note new phone # for SEO and email for secretary)

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Administrative Officer	Lt/C Ron Gustafson, P	269-567-0452 (cell)	ronaldga@sbcglobal.net
Treasurer	P/C Nils Strand, AP	269-964-6690 (home)	nils.strand@gsa.gov
Secretary	P/C Lois Whitmore, SN	269-345-4521 (home)	dogwood17@charter.net

Seminar on Sail Trim and Rig Tuning

In one afternoon learn:

Sail Terminology, Rigging Terminology, Trimming Tools & Tips,
Wind Flow on Sails, Sail Twist & Tensioning and more!

Where: **South Haven Municipal Marina - Southside**

345 Water St (Take Phoenix Rd to Water St)

When: Sunday June 3 / Time: 1-4 pm

Seminar is limited to first 10 who register / Deadline: 20 May
To register - Make \$25 check payable to
Kalamazoo Sail & Power Squadron

Send check and registration (name, address, phone, email) to
Wally Corder, 9825 Fort Meyers Pky, Portage MI 49002-3938

Questions? (269) 365-3398 or wccorder@hotmail.com

