hannel Charles

Official Publication of the Duluth Sail and Power Squadron



Predicted Log

By P/C Bob Ouellette AP

Participants in the Predicted Log with the winning boat (from left) P/C Murray George, Todd Carlson, Dave Stokes, P/C Bob Ouellette, P/C Bob Stokes, John O'Neil, & Valerie Ouellette.

It was a beautiful day for a Predicted Log; conditions were perfect, very little wind and flat water. I was able to make my final speed adjustments for the day's conditions on the way to the Squadron Dock. John O'Neil arrived from Bayfield to oversee the event. We drew our cards and the skippers were assigned their course. We worked out our time speed distance estimates and we were free to start.

It was the easiest Predicted Log I have run, easy to hold course and speed, and only one fisherman in my path. Back at the dock we watched the final tallies and I was pleased to see I had squeaked out a win in a tight field. I get my name added to the Predicted Log Plaque, which tracks the history of winners over the years. Some names show up several times, I am proud just to be on it.

Now for those of you who did not participate, was it too sunny? Don't trust your compass? Don't know how fast your boat goes? Don't trust your math? Not challenging enough?

We have help for all the above, I look forward to seeing a large group of participants next year!



Volume 2008 Issue 4			August, 2008
Inside this issue:		Word Game	18
Commander's Report	3	Civic Activities	9
Education Officer's Report	4	Member's Marketplace	10
Executive Officer's Report	5	Recipe Corner	11
Admin Officer's Report	6	Course Schedules	12
New Members	2	VSC's	13
MMSI	4	Solar Power	14
Personal Watercraft Safety	7	Schedule of Events	17
Captain's Log	8	Then and Now	15

Bridge Officers 2007-2008

Cdr Mary Brisky AP	Commander
	<marybrisky@yahoo.com></marybrisky@yahoo.com>
Lt/C Todd Carlson S	Executive Officer
H-348-4733 <to< th=""><th>dd@carlsonlakeshore.com></th></to<>	dd@carlsonlakeshore.com>
Lt/C Kay Bakke AP	
	<kbak@cpinternet.net></kbak@cpinternet.net>
P/C Grady Strand P	
H- 724-2293	<pre><glstrand@fedins.com></glstrand@fedins.com></pre>
Lt/C David Stokes S	
H-879-4409	<dkstokes@msn.com></dkstokes@msn.com>
1/Lt Laura Welch S	
H-395-3015	<lwelch@nbofc.com></lwelch@nbofc.com>
Lt/C James Swanson P	
1	<daystar2@mlecwb.net></daystar2@mlecwb.net>
1/Lt Mary Jane Olson	_
	<pre><kmjolson@centurytel.net></kmjolson@centurytel.net></pre>
Lt/C Valerie Ouellette AP	
	esternharbor@charter.net>
1/Lt Julie Strand S	Asst Treasurer
H-724-2293	
P/C Murray George PII H-728-1567 <murray.w.< th=""><th></th></murray.w.<>	
H-728-1307 < Illurray.w.	george@Sillitilbarriey.com/
Executive Committee N	<u>lembers at Large</u>
P/C Dave Carlson SN	525-1438
1/Lt Bob Hansen S	391-3901
1/Lt Kenneth Olson	392-6827
1/Lt Duane Flynn P	525-4580
<u>Website</u> www.dulut	
P/C Bob Ouellette, AP	
H-727-6079	<westernharbor@juno.com></westernharbor@juno.com>
Publication Staff	
Karen Bray S	Editor
H-722-0663	<pre><kobray@charter.net></kobray@charter.net></pre>
P/D/Lt/C Dave Carlson, SN	
H-525-1438	<dcc@chartermi.net></dcc@chartermi.net>
Carol Hesch	

New Member News

Congratulations and Welcome to the following New Members:

Kenneth J. and Anora Goldfine

Brad C. Anderson

2008 DSPS Rosters are available for \$5 each to anyone who would like an extra copy. They are handy to have on your boat. Contact Val Ouellette at 218-727-6079 or westernharbor@charter.net

The United States Power
Squadron is America's #1
Boating Organization.

If you would like information about becoming a member, contact P/C
Charlie Grubb @525-4344 or
Lt/C Valerie Ouellette @727-6079



John Bray.....Photography and Photo Editing

We're on the Web www.duluthpowersquadron.com

Commander's Report

Like most of us, my husband Greg and I consider ourselves smart shoppers and consider value when purchasing products or services.

When I think about and count all the watercraft we have owned (over a dozen throughout our twenty years of marriage) with the exception of two, including our current LUND Fisherman, all have been pre-owned. Each search for that perfect boat was a fun adventure. Looking at boats – all types and sizes – continues to be a passion for us. Knowing the various features, climbing inside to inspect storage compartments and engines is a big part of the hunt. After going through the buying process and fitting out each boat, we have had the good fortune of sharing our boating adventures with family and friends, including many Duluth Squadron members. Our memories have long outlived the use of a particular boat.

Just recently, Greg was smitten by finding a used pontoon over the internet and did something quite unexpected. He bought it sight unseen and had friends that live in Bloomington pick it up for us in St. Cloud, on their way to our Crane Lake cabin for the 4th of July weekend. After using it over the weekend and needing some assistance from a local marina mechanic, Greg started to have buyer's remorse and wished that he would have inspected and water-tested the pontoon before taking ownership. After bringing it back to Duluth, and a short stint at a body shop for a paint touchup, we dropped it into the St. Louis River where we will keep it at our dock at our home on the river. And in spite of some brief disappointment, we are happy with our purchase and are making plans for new adventures on the water.

You may be asking yourself, "where is she going with this story?". The following provides a correlation between the above and some random thoughts I have as commander of the Duluth Squadron.

Many of us have signed up for squadron membership directly after the "high" of completing the Boating Course. Current membership data indicates that our squadron has lost many newer members. Perhaps these individuals have experienced "buyer's remorse" and never got involved enough to have the fond memories, that many of us have experienced.

Our Membership Committee is in the process of revamping our New Member booklet, but we are still in the process of building a Membership Involvement Committee, that is so important in acclimating new mem



Cdr Mary Brisky AP

bers. Please let me know, if you have any interest and time to work on this important committee. The more faces we have on this committee, the better.

- Being smart shoppers and involved in various community groups, both Greg and I recognize the value that comes with membership in the Duluth Squadron. Whether it using the Squadron dock, taking member courses that are made available every year, or attending the planned social activities, Squadron membership provides opportunities not found in any other organization. Whether you are a new or experienced boater, we have programs that you can benefit from. After not taking any courses for several years, I enrolled in the new USPS Weather Seminar, offered during Safe Boating Week. In this brief course, I gleaned some valuable information and put it to use during a boating trip within a couple of weeks of taking the course.
- The key to membership satisfaction is directly related to being involved. For each of us, the extent of our involvement depends on other time commitments. However, like the analogy of buying a boat and never using it, you will need to use your membership to experience the benefits. I would encourage you to venture out and try something new, should you have doubts. Take a course attend a dock function sign up to be on a committee call an older member for their thoughts on what membership means to them reach out and get involved. The simple sharing of the love of boating amongst members is contagious.

(Continued on page 7)

Education Officer's Report

How fortunate we are to live near this great body of boating water. I have seen many of you enjoying the summer and using your safe boating skills to have fun in the bay and on the Big Lake. My education message will be brief, must get back on the water.

Congratulations to Bob and Val Ouellette, the winners of this year's Predicted Log contest during the July 4th weekend festivities at the squadron dock. Bob successfully predicted his time to cover a given course upon the water outside the Superior entry with the most accuracy. It was a beautiful morning with bright sun and calm seas. I wish to thank John O'Neil for traveling by car from Washburn to supervise the event. Participation by Bob and Val, Dave Stokes, Todd Carlson and Murray George all helped make this a successful navigation challenge.

Some members have asked about courses to prepare for the Coast Guard Captain's License. Although the US Power Squadron does not offer a specific Captain's License preparation course, many individuals have begun their study by taking the **Seamanship**, **Piloting** and **Advanced Piloting** course. DSPS will offer Piloting this fall. See page 12 in this edition and visit our website in August for specific times and location.



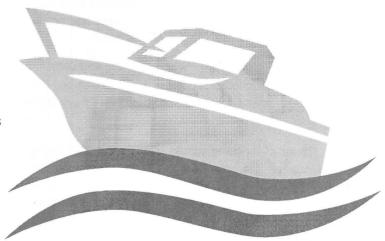
Lt/C Kay Bakke, AP

As you meet your boating friends, please remind non - members that we continue with a consistent schedule of the **Squadron Boating Course**, the United States Power Squadron safe boating course. For details, see Page 12 of this publication.

Maritime Mobile Service Identity

Modern marine radios now feature Digital Selective Calling (DSC) for routine operations and for automated distress hailing. These features can only be used if your radio is programmed with a unique code called a Maritime Mobile Service Identity, or MMSI.

The United States Power Squadrons is authorized by the Federal Communications Commission and the US Coast Guard to issue MMSIs to US flagged vessels not subject to Safety of Life at Sea (SOLAS) Convention requirements. This includes almost all recreational boats. USPS is now registering MMSI numbers for most recreational boaters. Details are available on the Marine Electronics web page (http://www.usps.org/national/eddept/me/main.htm) or the USPS MMSI home page (http://www.usps.org/php/mmsi/home.php).



Executive Officer's Report

Greetings. I am sure everyone is staying busy this summer enjoying the Twin Ports weather. We have had a great couple of months. On June 14, we had the Captain's Platter Fishing contest. We had a great turn out and wonderful meal at the dock. The weather held out all weekend. Numerous boats stayed all weekend and enjoyed the Dock and the company of the members and the fishermen. We handed out many door prizes to all the contestants. The feeling of the group is to expand the event to more fishermen in the area. Next year, we will be looking for volunteers to aid in the planning of the event and operating it. Due to it's success and popularity, the committee feels we have a great opportunity to reach out to the fisherman. Almost every boat that fished the contest had a current Vessel Safety Check sticker on the port side of the boat. This is fan-

tastic! We want to expand this next year. I will be looking for help soon.

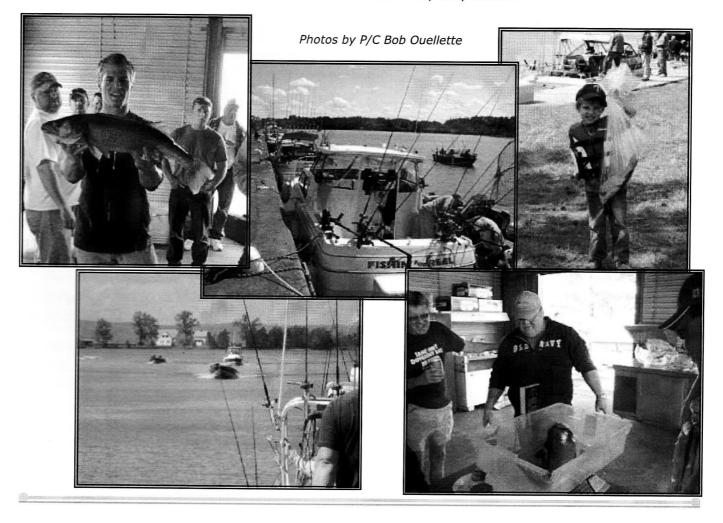
We had a nice weekend over the 4th of July holiday. The Duluth fireworks were "the best".

The following day was the Predicted Log at the



Lt/C Todd Carlson S

Squadron Dock. I am happy that I competed in the contest. Just need to get to know my boat a little better.... For those that didn't make it to the dock on Saturday, you missed a great meal. We had a nice picnic with burgers, brat, hotdogs, onion rings, watermelon, and a very tasty dessert.



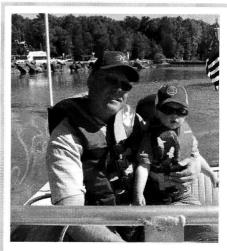
Administrative Officer's Report

Summer, summer, summer...this is why we boat on Lake Superior. And it's not too early to think ahead to upcoming events. The Maritime Festival, which includes 3 Tall Ships, is just days away. Our Squadron will assist in escorting the ships under the bridge and into the harbor on July 31st. Eight of our vessels will be official escorts, with the entire membership encouraged to follow in behind. More than 10,000 people have already preregistered to visit the ships, so it will be a popular event! Any Squadron members interested in volunteering to greet visitors as they board the ships are encouraged to contact Visit Duluth to sign up.

The first 4th of July event at the Squadron Dock in years was a lot of fun for those who made the effort to attend. Many thanks to John O'Neil for a perfect Predicted Log event! It was my first time doing the run as a captain and Purr-ecious Time humbly took second place! Of course, riding along with my dad on the Driftwood and Sheri Sue all those years ago didn't hurt in providing some familiarity with how the Predicted Log works. When you get right down to it, it's a heck of a lot of fun and having experienced members help you along takes all the fear out of it. Our Squadron is very fortunate to have a treasure from years gone by: a book of Predicted Log courses put together by Past Commander Wayne Youngren. This is a true gift from the past.

The 25+ members who came to the dock via boat, car and motorcycle enjoyed some great summer grilling for dinner. Plus, Todd Carlson's onion rings and the dessert

contest were the perfect touch to dinner with friends. The winner of the dessert contest goes to new member Del Clark, not only for the taste of her strawberry pie, but also for bringing it on



Lt./C David Stokes and Tanner

her motorcycle!! The weather was clear and Tom Stemm had the bonfire roaring.

Looking ahead, Corn Roast isn't far off, so I ask YOU, yes YOU, to sign up in any way you think you can help!!! We have laid the groundwork for the event already, but there's always plenty more to do. The first committee meeting will be 5:30PM on Wednesday, Aug 6th at Sammy's Pizza Downtown so please plan to attend or let me know how you can help. We always seem to have a great crew and a great time, so thank you in advance!

Smooth Sailing,

Admin Dave

Your Help is Needed

To help your Squadron maintain our records, please send the following information to Dave Carlson, 4805 Tioga St., Duluth, MN 55804-1659 or dcc@chartermi.net

Name	Address	
Phone	Work Phone	
Cell #	Email	
Birth Date	Spouse's name	
Boat Name	Sail or Power	
Home Port		

Personal watercraft

P/D/C Harvey A. Hengel SN

P/C Candance Hengel SN

When you think of personal watercraft, you probably think of fun on a high speed vehicle, much like riding a motorcycle.

That's probably true, but the fact is that a PWC is a vessel and subject to all the same rules and regulations as all vessel types and sizes.

Operators of PWC must have the same skills and knowledge as the operator of any other watercraft. A PWC is not a toy, but a full fledged vessel. Operators of PWC must adhere to many of the same rules as larger boats., The Coast Guard considers a PWC to be a Class A (less than 16 feet in length) inboard boat.

Usually the power plant of a PWC is a two-cycle engine that turns a water jet pump that draws water in through an underwater gate and forces it out of the rear of the boat. This propels the boat through the water.

The PWC has handlebars like a motorcycle. The handlebars turn and a moveable nozzle that directs the high pressure stream of water steers and propels the boat. The important thing to take into consideration when operating a PWC is the boat will not steer if you release the throttle. Most common types of PWC collisions are caused by the loss of steering when the throttle is off. When the engine is shut down, water isn't being directed out the stern. Most PWC have no rudder and the water jet controls the steering.

The National Transportation Safety Board reports that 84 percent of PWC accidents involved operators who had no boating safety education or instruction. Take a safe boating course offered by the Duluth Power Squadron to improve your boating knowledge and learn the rules of the road. To be a courteous PWC operator, don't operate your boat in the same areas for prolonged periods of time. It often irritates people on shore or in other boats.



(Continued from page 3)

Times change and interests change. When once Greg and I had owned cruisers, we are now interested in pontoons due to our home location on the river. Whether due to lifestyle changes, the economy, or various other factors beyond our control, our Cdr Mary Brisky, AP Squadron needs to adapt to the changes affecting our members. Please let us know if you have any suggestions on how we can improve our programs or activities. We want to maintain your interest in our organization and retain your membership.

In closing, I would like to extend an invitation to pontoon with us on the St. Louis River. We will be planning weeknight excursions and would like to include you, as our guest onboard our pontoon, or have you meet us using your own boat. Due to weather and other commitments,

we do not have any set evenings. We hope to continue boating into the Fall, when the colors on the river are spectacular, and hope to take advantage of what is left of the boating season. Please call Greg at 348-0358 if you are interested in making any plans with us.

Respectfully submitted,

BOAT SAFELY... THINK EDUCATION... REACH OUT...

GFT INVOLVED

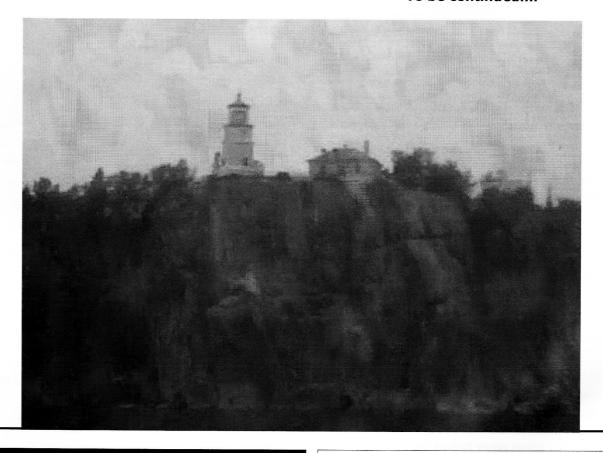
Todd Carlson

Captain's Log

July 17 2008.

Left Duluth entry at 1830 with a great first mate, Larry. Dianne not only let Larry out for the night, but made us some fantastic ribs. We have been waiting to dig into them. The smell from the crock pot pushes us on. Stopped at split rock light for a late dinner right before dusk. Our destination, Silver Bay. So far, so good. Calm seas. Enjoyed our dinner as we see the fog banks rolling in and out from shore. Time to press on. Hope to have another great trip on Lake Superior.

To be continued....



Murray W. George Financial Consultant Vice President - Investments

SMITH BARNEY citigroup

11 East Superior St., Suite 580 Duluth, MN 55802-9967

Tel 218 720 0143/218 727 7600 Tel 800 238 5884 Fax 218 723 1185 murray.w.george@smithbarney.com Citigroup Global Markets Inc.

AMSOIL LUBRICANTS

"The first in synthetics"

Now is the time to change your equipment over to the best lubricants available. Discounts available from 5% to 15%, depending on purchase, for Duluth Squadron Members.

<u>Jim Swanson</u>

MN calls: 800.630.9577

WI calls: 218.380.9577

Summer '08 DSPS Civic Activities

The Duluth Squadron has a long-term history of participating in several civic service functions throughout the year. The following highlights two recent events that were organized by our members and the notice of an upcoming opportunity.

Boating Safety Day - May 31, 2008 at the Washburn Yacht Club

Boating Safety Day at the Washburn Marina was a collaborative event planned by Duluth Power Squadron members, Tom and Julia Rossini, and the Washburn Yacht Club. The day's agenda included discussions on several topics and live demonstrations. Participants were provided safe boating literature and had an opportunity to have hands-on practice on line handling techniques and in shooting off flares. The Washburn Volunteer Fire Department provided a brief talk on fire extinguishers, followed by a live demonstration using several types of fire extinguishers, showing the proper technique for putting out fires. Many participants were able to practice using the fire extinguishers, on controlled fires. The day's agenda ended with Vessel Safety Checks (VSCs), being offered to many boats located at the Washburn Marina.

Safe Boating Packets and VSC Exams – June 16, 2008

Lincoln Park Walleye Opener on the St Louis River – Duluth

Over 200 packets, with various safe boating fliers and pamphlets, were distributed to the participants of the 8th Annual Lincoln Park Walleye Opener by Duluth Squadron members at the tournament's weigh-in station. The weather and conditions on the St Louis River lead to a very successful event with 353 participating anglers. In addition to handing out literature and rendering assistance to the participants, Duluth Squadron members Bob Hecht, Larry Anderson, and Steve Farrell provided Vessel Safety Checks for the boats being launched or hauled during the event. A special thanks to Coast Guard Auxiliary member Lori Anderson, for her assistance with the Vessel Safety Checks.

Upcoming Event: Saturday, August 16th - VSC's in Crane Lake, Minnesota.

Working in conjunction with Handberg's Marina in Crane Lake, Minnesota, the Duluth Squadron will be offering Vessel Safety Checks at the marina, on Saturday, August 16th. Crane Lake is a key entry point to Voyageurs National Park. If you are interested in participating or visiting this area during the weekend, please contact either Greg & Mary Brisky (348-0358) or Bob & Peggy Hecht (390-5469) for more information.



Fire Extinguisher Training



VSEs Bob Hecht and Larry Anderson

MEMBER'S MARKETPLACE

10'6" Wide, Sleeps 6, Twin 488 Merc Cruise, 188 HP, IO, 1200 hours, Newer Full Canvas, Many Extras, Bunk Trailer \$9,900 728-5714 or 348-4354



1984 Century Cortez Grande 300



For Sale or Trade All Electronics, Generator, Charger Inverter, Full Frig, Ice Maker, Cummins Diesel Open to trade for 30, 32, or 34' Contact Tom Rossini 612-747-9188



Uniflite 23'
Hard Top
Cruiser
Very well maintained and well
equipped. Trailer
included.
\$7000

Call Dan at 218-348-5985



For Sale 1985 28' Carver Riviera Aft Cabin

Classic Styling, Great Family Cruiser, very low hours, fuel efficient, meticulously maintained.

Electric stovetop, 12v refrigerator/freezer, head with shower, V berth with storage, aft cabin with double and single berths.

\$23,977

Please call Doug for details at 218-348-8390



Full Electronics Package with auto pilot and anchor windlass. Upper and Lower Stations, 350 Crusader Engines, Less than 400 run hours, Excellent Condition and priced to sell. Spacious aft deck would be ideal to rig for Great Lakes Fishing.

For details, please call 218-393-6273

1994 320 Carver Voyager



1978 Marinette 37' Aft Cabin "Sea Ya"

Twin 440 cid Chrysler Engines, 330 HP each, 6.5 KW Onan Generator, two control stations, two State rooms, two Heads, Full Galley, Many Spare Parts and Extras. Asking \$45,000

Contact Marty Herman 218-722-5035 home 218-590-8029 cell

New Policy for Member's Marketplace Ads

USPS members may place one want ad free of charge. Continuation of the ad in subsequent issues may be purchased for \$10 per issue, payable in advance. Checks should be made out to DSPS, and must be mailed by 9/12/08 to be included in the October issue.

Send your check to Karen Bray, 2024 Minnesota Ave., Duluth, MN 55802.

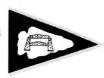
Special Bulk Purchase

\$18

Duluth Sail and Power Squadron **Burgee**

Contact Dave Carlson at 525-1438

or dcc@chartermi.net







Easy and Delicious Snack Mix for a Crowd

You will need:

A large food-safe plastic bag or bucket with lid

8 packages of you favorite snacks—crackers, nuts, cereal, pretzels, cheese puffs, whatever you like.

1 bottle of Orville Redenbacher Popping Oil

1 Tbsp. onion powder and 1 Tbsp. garlic powder (adjust to your taste)

Mix all ingredients together in the bag or bucket. Shake or mix every couple of hours. Your snack mix will be ready in 24 hours, if you can wait that long—ENJOY!

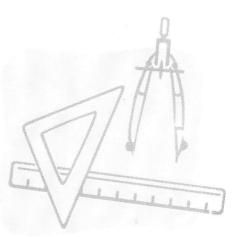
Recipe provided by Chris Beste

Fall Member Courses

Mark you calendars now to consider enrollment in member courses to be offered this fall. Those of you who wish to assist in the future by teaching the **Squadron Boating Course** to the public can enroll in the elective **Instructor Development** course. **ID** will meet 4-6 weeks beginning early in September. There is a book to study, a test to take and guidance with lesson planning and techniques to teach adult learners. **Squadron Boating Course** instructors must hold an up to date

Instructor Development certification. continue vour navigation skill education, make time for the advanced grade **Piloting** course. In *Piloting* you will refresh your paper chart plotting skills and learn how back up your

If you wish to



paper chart information with your electronic instruments. Piloting meets for 10-12 weeks beginning in October. This is a time intensive course. Plan to spend 2-3 hours per week, in addition to class time, reading the material and plotting courses on the paper chart.

Please check the website at www.duluthpowersquadron.com in August for more detailed information on member courses.

Public Safe Boating Course Schedule

Fall 2008

October 4 and 18

Winter 2009

January 6 to March 3

Barker's Island 9am to 3pm

Central High School Community

Education

6pm to 8:30pm

Spring 2009

April 11 and 25

Barker's Island 9am to 3pm

The Squadron Boating Course will be offered at a cost of \$55 per person.

Pre-registration is required at www.duluthpowersquadron.com

Volume 2008 Issue 4 Page 13

Vision: Safe, Responsible & Fun Recreational Boating

Excerpt from the USPS Compass

Mission:

Minimize the loss of life, personal injury, property damage and environmental impact while maximizing the safe use and enjoyment of U.S. waterways by recreational boaters. The Vessel Safety Check process is one of "prevention through education, outreach and volunteer compliance" helping recreational boaters to gain a respect for the boating environment.

The VSC Program also helps to achieve voluntary compliance with federal and state recreational boating safety laws, particularly with regard to the carriage of safety equipment while raising boater awareness about safety and environmental issues through voluntary contact by a Vessel Examiner (VE). VE discussions with recreational boaters are designed to motivate maintaining and operating their boats in a safe manner, taking boating safety courses to increase their knowledge and skills in boating, and promoting safe boating.

If you haven't had your 2008 VSC, contact Safety Officer Jim Munger jmunger@aol.com



Now Open at 4615 Grand Avenue

(old Tool Crib Building)

More Locations—More Parts Shop NAPA First & Get the Good Stuff!

Show your power squadron membership card for discounts on all items in the store!



We Stock Marine Parts & Accessories

- Tune-up Parts
- Starters/Alternators Filters
- · Water Pumps Engine Parts
- · Drive Shafts & Bellows
- Shift Cables
- Lower Unit Components

West Duluth 4615 Grand Ave. 623-6272

HERMANTOWN 4785 W. Arrowhead Road 722-8434

SUPERIOR 3305 Tower Avenue 394-7278

On Land or Water...We Keep America Running.



Using a Solar Charger on Your Boat or RV

As technology advances, the use of a solar charger on or in your boat or RV is becoming an easy way to keep your batteries at peak performance, and to prevent them from running down while not in use.

Solar Chargers come in many shapes and sizes. Some

are the size of the palm of your hand. Others, with slightly larger solar panels, easily fit on a section of the roof of your camper or the cabin of your boat.

The size of the solar panel will determine the amount of solar energy collected and converted into electricity. The more surface available for the sun to strike, the more energy can be collected.

This solar powered electricity can either be used to trickle charge batteries, or to re-

charge dead batteries. How many batteries can be charged depends on the size and power output of the solar panels you use.

The right solar panel set-up will allow you to power sizable electrical devices, such as TVs, Laptops, etc. This can be a great alternative to a noisy generator.

The most usual way of installing a solar powered system is to combine it with the existing electrical system

and generator on the boat. Technically, this is called a hybrid system, because it involves the combination of two different methods of creating electricity. This is much easier to do than it sounds.

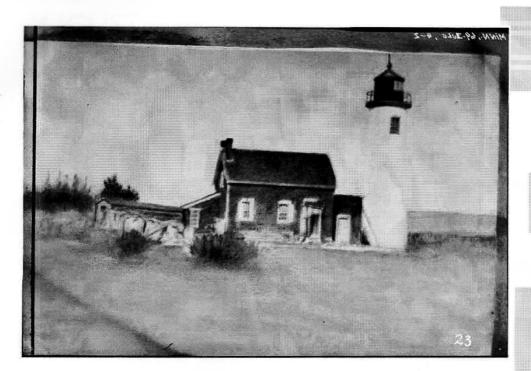
Since most boats already have a battery system that is

connected and powered either by the engine or another type of generator, all that needs to be done is to install a solar panel onto the cabin, and run cables down to the battery bank. One would install an additional component called a Charge Controller between the solar panels and the batteries. This is to ensure that the batteries don't get over-charged. It also prevents an electrical current from running back from the battery to the solar panel at night when no power is being generated by the solar panel.

This is the simplicity of a solar powered charging system. While getting free electricity from the sun, solar power chargers are also completely silent. This allows for extended periods during which you do not have to run a noisy generator in order to provide electricity, but, because of the hybrid system set-up, you will not be dependent on solar energy alone and can still fire up the engine as needed.







Then and Now

Minnesota Point Lighthouse

Take a walk 1.5 miles beyond the Sky Harbor Airport on Duluth's Park Point to visit the Minnesota Point Lighthouse. The 50 foot tower was built between 1856 and 1858 at a cost of \$13,835.00, and was the first highpowered light beacon on Lake Superior. The base of the tower is the zero point for all survey maps of Lake Superior.

The 5th order Fresnel lens was housed in a 5 sided lantern room. After only 20 years of service, the lens was moved to a new lighthouse, built on sturdier rock breakwaters. The lens is still in use at the west pier head of the Superior Entry. The Keeper's quarters were dismantled at that time and the brick from that building was used in construction of the new lighthouse.

One hundred and thirty years have passed between the photo above and the photo to the right. The crumbling red brick tower now stands approximately 30 feet tall. It was designated as a national historic site in 1975. The tower and surrounding grounds are the property of the U.S. Army Corps of Engineers.



Corn Roast Beach Party



At the Squadron Dock

August 30—September 1 Labor Day Weekend



Volunteers are needed to help put on this event. Large and small jobs are available—contact Dave at 310-3972

Games Food Live Music

Come for the day or stay for the weekend!

Friends Prizes Family Fun

AUGUST 2008

Sun Wed Mon Tue Thu Fri Sat Ī 2 3 4 5 8 9 7 6 Corn Roast Planning 10 П 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 26 30 Corn Roast Corn Roast 31 Corn Roast

Schedule of Events

- 8/6/08 Corn Roast planning meeting at Sammy's Pizza, downtown. 5:30 Everyone Welcome.
- 8/29—9/1/08 Corn Roast at the Squadron Dock.
 Watch the mail for flyers on this event.

For the most up-to-the-minute information, see www.duluthpowersquadron.com

Sat

Fri

Schedule of SEPTEMBER 2008 Events

Sun

Mon

Tue

- 9/4/08—Executive Board
 Meeting at Kegler's—5:30
- General Meeting—to be announced—watch your mail for flyer.



	I	2	3	⁴ Exec. Bd.	5	6					
	Corn Roast	US	USPS Fall governing Bd. Meeting in Detroi								
7	8	9	10	11	12	13					
14	15	16	17	I8 General Meeting	19	20					
21	22	23	24	25	26	27					
28	29	30									

Wed

Thu

GONE FISHING

Can you find the hidden words? They may be horizontal, vertical or diagonal, forwards or backwards.

ANCHOVY, BARRACUDA, BASS, BREAM, CARP, CATFISH, CHUB, DOGFISH, FLOUNDER, GOLDFISH, GROUPER, GUPPY, HAKE, HALIBUT, HERRING, JELLYFISH, KRILL, LAMPREY, MARLIN, MINNOW, MULLET, PERCH, PIKE, PIRANHA, ROACH, SALMON, SARDINE, SEAHORSE, SHARK, SNAPPER, SOLE, STICKLEBACK, STINGRAY, STURGEON, SWORDFISH, TROUT, TUNA, TUNNY.

С	Н	R	Е	Р	Ρ	Α	Ν	S	В	М	S	N	Р	Α	R	В	E	Y
Α	L	Υ	K	С	Α	В	Е	L	Κ	С	l	Т	S	L	Н	R	M	Е
E	В	В	В	С	S	С	D	R	Е	D	Ν	U	О	L	F	G	Η	Н
C	D	Α	О	R	Α	Т	Н	0	1	J	Α	L	Μ	G	М	U	А	А
K	М	S	R	Р	Е	R		U	G	S	Ε	Α	А	I	Е	Р	K	L
Н	U	S	Ν	R	I	Α	Р	Ν	В	F	R	L	Ν	Μ	Υ	Р	E	1
S	L	Н	S	С	А	Κ	Μ	R	G	L	l	Ν	\mathbf{L}_{i}	٧	Р	Υ	Χ	В
1	L	S	Κ	А	Ζ	С	Ε	N	I	R	0	S	О	Υ	T	R	L	U
F	Е	Α	Е	М	R	Q	U	Ν	0	W	А	Η	Н	U	F	Р	Е	Т
D	Т	Н	М	Α	L	D	В	D	G	E	С	Υ	Ν	S	Н	I	G	Υ
L	S	N	Ζ	L	Н	1	1	Ν	А	Ν	G	А	Μ	С	0	Н	S	Α
0	Т	Α	1	М	L	О	Ο	Ν	Α	Q	R	R	R	С	С	L	U	Н
G	R	R	L	В	G	Μ	R	S	Е	Н	٧	E	U	А	М	Н	E	Κ
T	K	1	R	W	L	R	V	S	Ε	Н	Ρ	Α	О	T	J	Н	R	Υ
D	U	Р	Т	Α	М	V	О	R	Е	В	G	R	$^{\prime}V$	F	S	Α	T	Ν
R	G	0	S	М	Ρ	Α	R	U	N	V	Е	Q	R	1	Η	T	٧	Ν
S	W	0	R	D	F	I	S	Н	Ρ	Т	J	Μ	Ε	S	В	R	R	U
М	G	Х	С	Т	Ν	٧	N	D	Χ	Ε	D	E	С	Н	T	С	J	Т
Z	0	F	Е	G	U	٧	0	С	С	Α	R	Е	Ρ	G	L	0	Е	1

et Outdoors with U





Fishing Rods, Reels, Downriggers, Nets, Bait & Tackle,

Electronics

Automotive GPS, Fishfinders, GPS Chartplotters, Radar Underwater Cameras, VHF and all the accessories!





Marine

Ropes, Fenders, Safety, Anchors, Paints & Waxes, Lights, Pumps & Switches, Shore Power, etc.



Small Boats

Kayaks, Canoes, Dinghies, Pad dles, Oars, Life Vests and more





Hunting

Stands, Blinds, Calls, Scents, Blaze and Camo Clothing, Boots, Gun Case, Shooting Accessories..



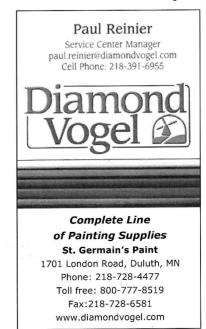
Camping Tents, Sleeping Bags, Stoves, Heaters, and more!

Shop Online 24/7 www.marinegeneral.com Stop in our store... 1501 London Rd. Duluth, MN 55812 Local: (218) 724-8833 Toll Free: 800-777-8557

e Selection! Best Customer Service

Volume 2008 Issue 4





Calling All DSPS Members! The first planning meeting for 2008 Corn Roast will be at Sammy's Downtown Duluth on Wednesday, August 6 at 5:30.

Everyone is Welcome!

Come and share your thoughts and ideas to make this our best event yet. There is always room for a few more hands - you can do as much or as little as you want. We'll be happy to see you!

Duluth Sail and Power Squadron

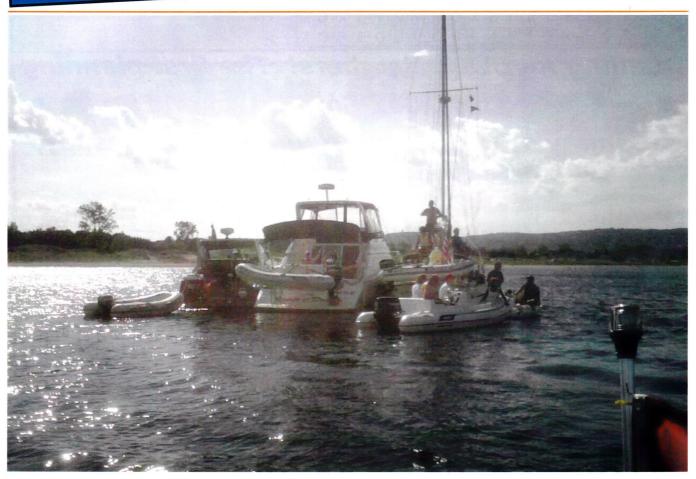
P.O. Box 161074

Duluth, MN 55806

NON PROFIT
U S POSTAGE PAID
DULUTH, MN
PERMIT NO. 771



We're on the web! www.duluthpowersquadron.com



Floating on the 6th of July

Photo by Todd Carlson