

DISTRICT 18



H A N N A H ' S



B A N N E R

M A R C H 2 0 1 2

## CALENDAR OF EVENTS

- Feb 29 **ANNUAL MEETING  
AND CHANGE OF WATCH (Weds) 1830 JYC**  
**Speaker: George Brandenburg will speak on Nathaniel Bowditch**  
Cal Johnson and Nancy Walsh are planning on a beef stew for our supper.  
dessert and donations welcome!
- Mar 11 **Daylight Saving Time Begins - Spring Forward!**
- Mar 17 **St. Patrick's Day**
- Mar 20 **FIRST DAY OF SPRING!**
- Mar 31 **D18 Spring Conference**  
**Broad Sound is the HOST this year - watch for details!**
- April 5 **E-Board Meeting - come help lead the Squadron**
- April 8 **Easter Sunday**
- April 22 **Earth Day**
- April 25 **Administrative Professionals Day (Secretary's Day)**
- May 2 **General Members' Meeting 1830 JYC**

Hannah's Banner is The Official Publication of the Beverly Sail & Power Squadron.  
*D/Lt/C Karen Arcisz, JN -Editor*

This month's Contributors: *Karen Arcisz, Lamberto & Marzzena Raffielli, Jack Reed, Robere Sant Fournier,  
Miriam & Did Shaffner, Ray Tilton, Ed Walsh, The Nominating Committee,*

*...and where is YOUR contribution?  
Send something NOW for the next edition!*

Check out the Beverly Sail & Power Squadron web site at: [www.beverly-usps.org](http://www.beverly-usps.org)

THE SUCCESS OF USPS® DEPENDS ON MEMBER PARTICIPATION

pg 1

# SQUADRON BRIDGE

## Commander

Cdr. Raymond W. Tilton, AP  
978 922-2562 - pangea36@gmail.com

## Executive Officer

Lt/C Robere Sant Fournier, P  
978 922-2232 - seafriendhip1@verizon.net

## Educational Officer

Lt/C Edward G. Walsh, SN  
978 927-1179 - ed.g.walsh@comcast.net

## Administrative Officer

D/Lt John F. (Jack) Reed, Jr., P  
978 546-3221 - jackreed@comcast.net

## Secretary

Lt/C Michael Madison, AP  
978 744-1329 - michaeljmadison@comcast.net

## Treasurer

P/C John A. Hagar, AP  
781 334-7259 - cptPost1@msn.com

---

## FROM THE COMMANDER

*Cdr. Raymond W. Tilton, AP*



This is my last article as Commander of the Beverly Sail & Power Squadron and I would like to take the opportunity to thank the fellow members that have served with me on the Bridge and on Committees

over the past couple of years. Their contributions of time and energy have helped keep our squadron stable in a changing world. We have a group of excellent instructors that continue to offer courses from Basic Boating to Senior Navigation, led by our dedicated SEO Ed Walsh. Our certified Vessel Safety Examiners, led by VSC chairman Walter Riley have examined scores of boats in this area to ensure that the boats are properly equipped. Carol Quinn-LeBrun, Robere Sant Fournier and Jack Reed have served as Executive Officers and Administrative Officers and assisted in lining up speakers, organizing meals, arranging the annual picnic and many other duties. Jack has also done a great job with the Squadron website. John Hagar has done a great job as treasurer, keeping the books in order. Ed Bell and Mike Madison have been dedicated secretaries at the general and E board meetings. We have a nationally recognized newsletter, Hannah's Banner, thanks to Karen Arcisz and have had much support from Past Commander, now District Commander Alex Arcisz. Hats off also to the members that serve on the Executive, Membership, Co-Op Charting, Safety, Operations Training, Nominating, Rules and Auditing Committees. Our Squadron is typical, in that we face several challenges in the coming years. Membership has been decreasing even though hundreds of new people enter the boating

world every year throughout the North Shore. Many boaters take basic boating courses, either through the Power Squadron or other organizations, but very few are going on the join the Power Squadron to take advantage of the advanced courses and other benefits of the organization. National USPS is addressing the membership issue, but it is up to us to make the boaters of the Beverly/Gloucester area aware of what the Beverly Sail & Power Squadron has to offer. The Squadron is keeping up with change, getting involved with on-the-water training, coordinating educational programs with other Squadrons in the District and advertising our programs through the Internet, including social networking. Under the leadership of incoming Commander Sant Fournier, the Squadron is ready for change. I look forward to an exciting and productive year. Please join me in supporting our new leaders.

Best regards,

Commander Ray Tilton

## FROM THE EXECUTIVE OFFICER

*Lt/C Robert Sant Fournier, P*

It was the best of times and it was the worst of times if I may borrow from Charles Dickens. I have nothing short of pure admiration for Ray Tilton, our Squadron Commander over the past few years, who guided us through thick and thin with a gentle hand and a steady eye on the helm. I hope that together we can continue to meet the challenge of making Beverly Sail & Power Squadron all that it can be, and especially a Squadron that you can be proud of.

Robere

## 2012 CHANGE OF WATCH

The proposed slate of officers for the 2012-2013 year was elected as presented below at the meeting in January 2012. These members of our Squadron will be sworn into our Bridge at the February 29, 2012 Change of Watch. Remember to thank them for their willingness to serve and lead our Squadron. Offer to help out or to join a committee. It's a very satisfying effort.

### BRIDGE OFFICERS:

Commander - Lt/C Robere C. Sant Fournier, P  
Executive Officer - Lt/C John F. Reed, Jr., P  
Education Officer - Lt/C Edward G. Walsh, SN  
Administrative Officer - Alan Therrien, AP  
Secretary - **\*OPEN SEAT**  
Treasurer - P/C John A. Hagar, AP

### EXECUTIVE COMMITTEE:

Immediate Past Commander - Raymond W. Tilton, AP  
P/D/C Jim Curran, AP  
P/D/Lt Arthur W. Bonner, AP  
**\*OPEN SEAT**

### NOMINATING COMMITTEE:

3 yr - **(OPEN SEAT)**  
2 yr - P/D/C Linda Seal, SN  
1 yr - D/C Alex Arcisz, JN, Chair

### RULES COMMITTEE:

3 yr - P/D/C/ Ronald C. Mason, SN  
2 yr - **(OPEN SEAT)**  
1 yr - P/D/C John H. Graves, JN, Chair

### AUDITING COMMITTEE:

3 yr - 1/Lt Walter J. Riley, III, JN  
2 yr - Charles M. Souza, SN  
1 yr - Lt Theophilos Kuliopulos, SN, Chair

Beverly Sail & Power Squadron members, Marzena and Lamberto Raffielli have a 2002 Oyster 49. They took a ten day trip to Bar Harbor last summer.

This was taken just before Hurricane Irene when they were in the Manchester Marine .

Thanks for the picture!



## ABOUT OUR SPEAKER, Professor George Brandenburg

Our speaker for the Annual Meeting and Change of Watch on February 29, (our 'March' meeting), is Retired Harvard professor George Brandenburg, who will talk about the life and times of Nathaniel Bowditch (1773-1838).

Bowditch didn't attend school after age 12, let alone go to Harvard, yet he managed to teach himself Latin, French and astronomy. He learned math and physics well enough to make world-renowned contributions in both fields.

As a young man he made five voyages, rising from second mate to captain, and along the way authored the well-known maritime manual, "The New American Practical Navigator". This book, commonly called "Bowditch", made it possible for generations of sailors to navigate around the oceans with only the sun, moon, and stars to guide them.

After he retired from the sea at the age of 31, he put his mathematical skills to work as an insurance executive. However, in his spare time, he continued his work in physics and astronomy, producing an annotated translation of LaPlace's monumental "Mecanique Celeste".

Professor Brandenburg is an experimental particle physicist recently retired from Harvard where he served as the Director of the Laboratory for Particle Physics and Cosmology. Most recently he helped to construct the ATLAS detector, which is now taking data at CERN's Large Hadron Collider in Geneva.

One of his pursuits since moving to Salem in 2008 has been volunteering at the NPS Salem Maritime National Historic Site and on the Friendship. This led him to the study of 19th century celestial navigation and the contributions made by Salem's own Nathaniel Bowditch. He is also on the board of Historic Salem Inc., and responsible for their Bowditch House.

Personally, I don't know which life is more interesting – Bowditch or Professor Brandenburg!! Come and enjoy his talk with us.

-Jack Reed



## FROM OUR SQUADRON EDUCATION OFFICER

*Lt/C Edward G Walsh, SN*

Here we are in February. Not bad as far as the weather is concerned and very satisfying as far as Marine training is concerned.

We recently completed an Advanced Piloting (AP) course, which in my opinion is the best of the courses we offer. In order to take it, you should have taken Seamanship and Piloting. It is challenging but exposes you to many physical conditions that you may not be aware of and shows you how to deal with them for further satisfaction and enjoyment. It introduces you to tried and true paper chart skills as well as many of the modern electronic tools that are available to the boater and offers many techniques to maximize excellence in Piloting. In addition to all this, it prepares you for Celestial Navigation as well as the many elective courses that the United States Power Squadron offers.

I took AP many years ago and I taught it numerous times over the years. I recall years when we had to use the Main Hall at Jubilee Yacht Club due to the size of classes. It was a time when View Graph Machines were used and four or five instructors were necessary for assistance. Even back then I thought that AP was the best of the courses. It is the one that everybody out on the water needs to be a good Captain.

Our courses are now supported with Power Point presentations, which are very well done and packed with information which includes the past methods as well as current technology and would be worthwhile for even mature captains such as myself to take for update. I had the honor to teach this new course to six enthusiastic students this year and have expanded my own knowledge of modern piloting skills. Furthermore, Walter Riley served as a very able Assistant Instructor for which I extend my thanks for his dedicated contribution.

We are currently now looking to provide two instructors to conduct each course offered. It provides continuity and variety of presentation

technique for the students while assisting in the handling of the Training Aid equipment. It assures coverage in the event of other obligations of the instructors and allows special attention to students having difficulty. Though completion of the Instructor Development (ID) course is beneficial and desirable, it is not necessary except in the instruction of the America's Boating Course (ABC) course. This special qualification for the ABC course is required by "National Association of State Boating Law Administrators (NASBLA)" because ABC is the course offered to the public as an initial boating safety course and is required for licensing in many States.

Currently we are conducting the ABC course in Beverly at the Bass Haven Yacht Club with Instructors Jim Curran and Walter Riley, both recognized as qualified Instructors. Starting February 28th we will be conducting additional classes at the Hamilton-Wenham Library by Qualified Instructor Ron Mason. Bob Duncan with Charles DeCoste, both Qualified instructors, will be starting an ABC course at Gloucester High School February 29<sup>th</sup>. Sandy Bay Yacht Club in Rockport has contacted us for ABC Classes at their club for Late Spring which is currently under discussion. It seems that the demand for the ABC course is increasing and we will need a few additional qualified instructors.

We are fortunate to have Lynda Seal conducting an Instructor Development Course with a starting date to be announced for April. Be alert for the announcement and be assured a front row seat in this beneficial course to maximize your speaking and teaching skills.

---

### **Are you Familiar with Rescue 21?**

The United States Coast Guard has been implementing Rescue 21. This is an advanced command, control and direction finding communications system. This system provides first responders with upgraded tools and technology needed to protect America's waterways. It replaces the National Distress Response System in use since 1970.

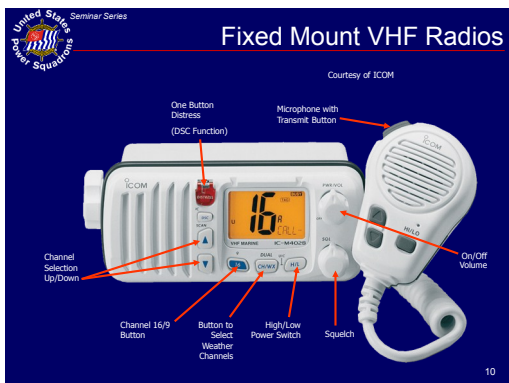
In addition to using GPS positioning, it uses VHF lines of positioning to identify the location of callers in distress. Additionally, positioning assists in identifying the location of hoax callers. This system supports Digital Selective Calling (DSC) that is available in most modern VHF radios sold in the past few years. To obtain the best features of these sets the owner is required to register their sets and get a MMSI number, free of charge, through Boat US, United States Power Squadrons or the Coast Guard. The information provided in the registration will provide information regarding the description of the vessel, ownership and persons on board. If the owner has made the simple two wire connection between his working GPS and the VHF it will also provide the location of the vessel during an emergency call, which is more accurate than the lines of position from the Radio Direction finding function. Furthermore, the DSC feature will alert other vessels equipped with DSC of the location of the troubled vessel possibly providing even more rapid assistance by nearby vessels be they pleasure, commercial or other law enforcement.

The rescue 21 System will be fully deployed by the end of 2012 throughout the Coastal United States, Great Lakes, Hawaii, Guam, Puerto Rico, and the US Virgin Islands.

If your VHF Radio has a “One Button Distress” similar to the one in this picture all you have to do is to get your MMSI number and connect it to your GPS.

Read the owner’s manual for directions on how to register it and make the GPS connection, and of course, contact your local United States Power Squadron for more familiarity with the dramatic technological changes available for your safety and pleasure while boating.

Ed Walsh – SEO Beverly Sail & Power Squadron



## Keep on the look-out for AJAX - the latest GEB dog



Guiding Eyes for the Blind (GEB) has placed a ten week old puppy, Ajax, with Dick and Miriam Shafner for training as a “Guiding Eye Dog”. He is living with Dick and Miriam, who are “Puppy Raisers” for GEB.

Ajax is a male black Labrador Retriever who has already passed his initial evaluation for his suitability as a guide dog. Several of his litter mates have already had a “career change” and have been given up for adoption.

Ajax will be seen around town for the next eighteen months developing his sociability and confidence skills. He needs to learn how to greet people without jumping on them; to go into stores and restaurants without eating anything not given to him; walk up and down stairs without pulling excessively; ride in a car on the floor - not on the seat. He needs to stay calm around traffic including loud fire engines and noisy vehicles. He needs to sit quietly at both town meetings and as a “Special” parishioner at St. Paul’s Episcopal Church. He’ll also attend USPS functions with Dick and Miriam.

This is the fourth dog that they have raised for GEB. They are constantly stopped on the street and asked “Isn’t it hard to give them up after eighteen months?” They both honestly say, “Yes! It is hard. However, the dogs that we have raised have clearly enriched the life of their partners who are visually impaired, providing them with the freedom to travel safely and with greater independence. We are in constant contact with two of our dog’s partners. Our third dog is just finishing his harness training and is waiting to meet his new partner.”

GEB is constantly looking for “Puppy Raisers” and there is a real need presently. If anyone is interested you can go to the GEB website on the internet or contact Dick or Miriam directly. Both of the Shafners are willing to bring Ajax to any town and civic organization (including schools and clubs) and talk about the GEB story. Just ask!

## LESSONS LEARNED ON OUR SUMMER CRUISE TO BAR HARBOR

Patricia and I and our Maine Coon Cat “Skipper” made a month-long cruise to Bar Harbor and back. And we had only two days of bad weather! We stopped at 17 different spots along the way. We have never cruised for this long a period – two weeks is normally our longest. However, the longer cruise has allowed us to solve a few boat problems.



Typically, over time, our batteries run down in spite of significant time under power (the “iron gennie”) rather than sail. Normally we fix this by spending a night or two during our cruise using shore power at a Marina. But this year, we did not stop at any Marina for shore power, and by the time we got to Bar Harbor, the batteries could hardly turn the engine over. (I have two sets of batteries: my house batteries are four deep - cycle golf cart batteries giving me 420 amp hours of power and I have one regular engine starting battery.) I ran a multimeter across the terminals and discovered that the batteries were producing less than 12 volts of current, which effectively meant that my batteries were less than 50% charged and close to being ruined. I then ran the engine at the Bar Harbor mooring for three hours at 1200 rpms, and got the charge up to about 12.8 volts which dropped to about 12.2 volts after an hour. I noted that at no time was I getting a charge to the batteries of more than about 13 volts. As run down as they were, the batteries should have been getting over 14.5 volts of charge, according to my reference by Nigel Calder.

It seemed to me that the problem must be the alternator or the battery regulator. So I called the regulator people in Fort Worth, Texas from my boat with my cell phone and explained my situation. They suggested that I try a few things which did not work and frankly they did not offer much help.

Next I called the maker of my alternator –

Hamilton Ferris – in Cape Cod. I told their operator that I was on a sailboat in Bar Harbor and having trouble charging my batteries and needed some help! “One minute, sir!” Within a minute I was talking to Hamilton Ferris himself! Over the course of six hours and back and forth phone calls, it was clear to Mr. Ferris that the batteries were just not getting the charge they needed rather than the batteries themselves being poor, or losing power through stray current. “One last thing,” he said: “Lets try bypassing the regulator entirely and see what kind of charge current you get.” Miraculously, by bypassing the regulator, I was now getting over 15 volts of power to the batteries! “We’ve found your problem,” he said. “I’ll have my people Fedex you a new battery regulator overnight.” Even though this was Friday evening (1900), and the fact that the package had to first go to the Fedex shipping center in

Philadelphia, the regulator arrived at Bar Harbor at 1215 on Saturday!



I tried to reach a local electronics guy to help me install the new regulator, but he was not answering his phone on Saturdays. So Sunday morning, I proceeded to install it myself. Four hours later, I had it up and running, and sure enough, I was

now getting a charge of almost 15 volts to my batteries! Problem solved. I’ve never had the problem of batteries running down since I installed the new regulator. My thanks to Mr. Hamilton Ferris (talk about service!!) and Nigel Calder, whose book “Boatowners’ Mechanical and Electrical Manual” was invaluable to me in helping to diagnose my problem.

Jack Reed

Endeavour 42 “Airborne”

**2012 DISTRICT EIGHTEEN SPRING CONFERENCE AND COUNCIL**  
**MARCH 31, 2012**

**Hosted by BROAD SOUND POWER SQUADRON, Lynn, MA**

**Details and cost will be announced shortly  
on the D18 website as well as by email and US Postal mail.**

Some highlights from the planning are:

Continental Breakfast and light lunch included in fee

(You also have the option of just coming to the meeting, which is free)

USPS Chief Commander's Rep - R/C Art Pickard, SN of Scarborough Maine

Award of a 50th Merit Mark! Two LIFE MEMBERS

Two Squadrons have earned Distinctive Communicator Awards!

One has earned an Educator's Award

USCGAux speaker Fred Furnell USCGAux, BC-VDO

National Department of Vessel Examination and Recreational Boating Safety

Offsite event

Dinner out if you wish to join us.....

**DISTRICT 18 NEWS!**

The District is introducing a '2 year plan' to qualify for Boat Operator's Certification, which will at some point be a requirement for boaters all over the US. We have just had a very successful meeting of Education Officers and some teachers, and will be announcing dates and courses on the District website and by email soon.

The Topsfield Library has graciously given us access to their conference room, where we will offer the core of required classes and Seminars for completion of this Certification. Topsfield is a great central location within the District (just look at the map!) and the room can be configured for both table-top and auditorium style classes. There is A/V equipment installed, and ready for the teachers to just hook up their computers. Teachers will be drawn from all the squadrons, and the advertising and promotion will be across the District. We hope in this way to have larger classes and be able to offer timely courses for new students as they finish ABC3 (the public boating course) as well as current members who wish to either obtain the Certification or to complete their USPS Member Certificate.

The On-The-Water Training portion of our Education program will also be coming soon. We hope to have the USPS Training boat in the area in late August. Again, as soon as there is a schedule available, we'll post it on the D18 web site.

Think seriously about taking classes, and remember that it's not that hard to teach something you really enjoy doing. Anyone who has passed Piloting has the ability to present a seminar on Chart Reading, and certainly could assist a teacher in most any of the classes. Those who would like to teach the general public in the ABC3 course should contact Linda Seal about the classes she'll be presenting this Spring.

Both the District Commander, Alex Arcisz, and the District Education Officer, Dex Hyland, have been working diligently to bring this new program off the ground (so to speak). They deserve a big THANK YOU from all of us, and the best way to let them know they are appreciated is to support this effort to enliven our Squadrons (all four of them) with new education, new members and lots of FUN!

Remember, our byword is:



**Boating is fun... we'll show you how®**

## Beverly Sail & Power Squadron



Lt. Karen Arcisz, JN, Editor  
arciszusps@aol.com  
8 Chapman Rd  
Boxford, MA 01921

MARCH 2012

[www.beverly-usps.org](http://www.beverly-usps.org)

### IS THIS STICKER



### ON YOUR BOAT?

schedule a Vessel Safety Check  
before you launch this year!

For an appointment  
with your nearest Vessel Examiner  
Call Walter Riley at 978-927-5189

## FIRST CLASS MAIL

---

# BEVERLY SAIL & POWER SQUADRON

## GENERAL MEMBERSHIP MEETING

Wednesday, February 29 at 1830 (6:30 PM) - Jubilee Yacht Club  
FREE Supper and Social Time (dessert & donations welcome)

### Speaker: Professor George Brandenburg

*Professor Brandenburg will talk about the life and times of Nathaniel Bowditch (1773-1838), who authored *The New American Practical Navigator*! This book, commonly called *Bowditch*, made it possible for generations of sailors to navigate around the oceans with only the sun, moon, and stars to guide them.*

*“Boating is fun... we’ll show you how<sup>®</sup>”*

**THE SUCCESS OF USPS<sup>®</sup> DEPENDS ON MEMBER PARTICIPATION**

® USPS is a registered trademark of United States Power Squadrons, Inc. Visit our web site at [www.beverly-usps.org](http://www.beverly-usps.org)