



www.arrowheadsquadron.org

Arrow

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LOG

2013 Bi-Conference
D25 & D13
October 10-13, 2013

July 2013

A Sabot regatta at Lake Evans in Fairmount Park, Riverside, Saturday June 22nd. The first race of the three was for donors to the Riverside Sailing Foundation. Arrowhead was represented by Darrell Sausser sailing one of the 7 Sabots racing on an almost windless lake. He finished 3rd. Many people now know the Arrowhead name and mission, also we now have the option of conducting classes in their clubhouse at the lake.



Arrowhead Sail & Power Squadron

A Unit of the United States Power Squadrons
Sail and Power Boating - 52 years of serving our communities

The Working Crew

Commander

Cdr Michael Mann, FC
951-689-2105

Education Officer

Lt/C Hal Gayer, F C
951-990-0018

Executive Administrative

Lt/C Debbie Neal, AP
951-990-1816

Secretary

P/C Mark Gunn, JN
909-223-9025

Treasurer

Lt/C Darrell Sausser, SN
951-780-2694

Administrative open

Executive Committee

Lt John 'Pat' Rogers, S
Bob Cozad, FC
John Brewington, AP
Jr/P/C Wendy Sherwood,
P

THE LOG

Published the first of every month by Arrowhead SPS. Copy deadline, 20th of the month.

Log Editor

P/C Darrell Sausser, FC
Tel: 951.780.2694
cell: 951.990.2176
e mail: sailords@earthlink.net

Weigh Anchor...:Let's go Boating!

Cdr Mike Mann N At the helm, June 2013

The month of June started off with a cruise to the Isthmus for the annual Summer Wine Festival. Several Arrowhead members made the trek. Among the members were Darrell Sausser, Debbie Neal, Arnold and Phyllis Rowe, Kaustubh Patankar (KV), Mike and Ronnie Mann. Darrell also had 2 non-members to round out his crew. Darrell and Debbie hosted a party on Friday night on Escapade. Arnold and Phyllis arrived Saturday on the Express. It seems the boat gremlins took up residence on Panda. Arnold did not leave his gremlins in Long Beach. Seems he gave a little electrical infection to Aquila, thanks Arnold. It was nice to see them make the trip regardless of boat problems.

For those of you who could not make the meeting on 12 June we had a very good presentation on remote meetings by Rick Dean (Tres Rios Squadron). He has had a lot of experience with this technology while working on Star Wars movies.

In the City of Riverside there is Riverside Community Sailing Program. They have been teaching sailing to youth and adults for many years. The program is located at Fairmont Park on Lake Evans where they have a clubhouse with a boathouse and several Sabots.

Ronnie Mann made contact with this group and arranged for us to attend one of their meetings. From that contact we offered to partner with them by assisting with their upcoming sailing regatta and teaching our classes to them. We brought the information to the ASPS Executive Board meeting where we voted make a donation to their program. In exchange for our donation we had our logo on the side of one of their sabots and have a sailor in the donor race. Darrell Sausser agreed to skipper the "Arrowhead boat".

The regatta had 3 races. One race was for donors, one for youth and one for the Riverside Mayor and Council members. In addition they had setup for about 200 members of the public to view the race.

Race day Saturday 22 June

We had a good turnout of Arrowhead members including Bob Cozad, Jerry Ervin, Arnold Rowe, Darrell and Barbara Sausser, Debbie Neal, Hal Gayer, Mike and Ronnie Mann. Also Darrell's daughter Amy & son-in-law Jerry joined us. We assisted with setup and teardown.

At 1100 Darrell's donor race started with light winds. Darrell was in the Arrowhead boat, sail #6. The little Sabots headed out at breakneck speed (snails pace). In the end Darrell was a very respectable 3rd place out of 7 boats. The next race a young man (14) took over the Arrowhead boat. He sailed around the course and was over the finish line nearly 20 minutes ahead of the second place boat. Well - is it the boat or skipper? These kids can really sail.

We all enjoyed a lunch of hot dogs, salad, baked beans and soft drinks, provided by the volunteers of the sailing program. Jerry Ervin won a drawing prize. Mayor Rusty Baily came in 2nd place in the City Council members race.

A website update

Be sure to check out our web site at www.arrowheadsquadron.org as new pictures have been added for our recent Change of Watch. Once at the web site click on "Photo Album" over on the left side and then choose "Change of Watch February 23, 2013" for your viewing pleasure. Thanks to Doc Moe for saving these fun memories for us to enjoy.

Arnold Rowe, Webmaster

We
believe in safe boating - take an Arrowhead class

Along the Fo'c'stle of the good ship SEO Hal Gayer - -



Hello All,

July is a time to go boating!!!

Our continuing education program is:

Americas Boating Class for the Monday evenings in June is completed.

We had two students and I wish there had been more. These students were the result of our Assistant SEO Ronnie Mann putting the classes on Craig's List. We need more input from you the members of Arrowhead as you must have acquaintances or friends that would benefit from this ABC class instruction.

Junior Navigation class is progressing with instructor P/C Ryan Trousdale, SN.

I have manuals for three Advanced Piloting students. P/C John Walker, SN will be the instructor.

John is willing to do an Anchoring Seminar later this summer. Contact him with your interest.

I have had two inquires for conducting a Marine Electronics course. I will need an instructor for this course.

See you on the water

Hal

Sea Scout Ship 195

The entire Ship's Company is currently working at Boy Scout Camp Emerson in Idyllwild. We have finished our week of staff training and setting up the camp for the hundreds of Cub & Boy Scout campers that have now begun arriving. We are serving in many areas of the camp program including: daily Adult Leader Training (Paula Boothe), Outdoor Skills (Hannah Reynolds, Kenneth Zuniga), Handicraft (Nathaniel Zuniga, Hannah Swartzel, Hannah Case), Sports (Jake Reynolds), Rock Climbing & Mountain Biking (Kate Reynolds), E-Team Forge (Kyle Gonerig), and the Shooting Ranges (Pat Rogers, Kate Reynolds, Kyle Gonerig).

Thanks to Lee Tracy, Hal Gayer & Darrell Sausser we have the beginnings of a new cardboard boat for the upcoming races at lake Mead. Now all we need is some time off from our camp duties to build it.

.....Pat Rogers, Skipper

Sea Scout Ship 195

VSE Corner

The Squadron's VSE Team is still holding steady with 52 completed exams this season. Several team members are looking at scheduling exams on Squadron members's vessels as well as the Sea Scout flotilla but we currently have no additional numbers to report to National.

.....Pat Rogers, VSC Chair

"Any man who thinks he can be Happy and Prosperous by letting the Government take care of him....better take a closer look at the AMERICAN INDIAN"Henry Ford

Legislation info – July 2013

P/C Howard Fuller, AP, Legislative Officer

It has been reported that the California Boating and Waterways Department, is merging as a division of the States Parks and Recreation Department. The merging will save ave 1.1 Million Dollars and do away with seven positions. This is to be effective 1 July. The Department is holding a large amount of money, anywhere from thirty two million to sixty million dollars of boating fuel money in 2013.

Several State Boating organizations are watching closely to determine just where money collected from the tax on boat fuel will go under the scheduled transfer of Cal Boating to Parks and Recreation. Also there is reported that 2443. Boating is holding a large amount of money, anywhere from thirty two million to sixty million dollars of boating fuel tax money.

Governor Brown has signed into law AB2443. This bill will place an additional fee on the cost of vessels being registered in the state. The money collected will be used to fight the Quagga and Zebra mussel infestation.

Pictures of the Riverside Sailing Foundation annual regatta:

This community fund raising event was held at Lake Evans in Fairmount Park, Riverside.



6 of the 7 skippers, representing various donors



Arrowhead's Darrell S holding the 3rd place trophy



Our logo on both \sides of Sabot #6 will be seen every time the boat is used throughout the year



SAFETY ON THE WATER

Arnold Rowe, AP, Safety Officer

BATTERY VOLTAGES

The state of charge of the 12-volt batteries aboard our boats is always of interest. The table below is one of my favorites that is commonly used to show the no-load typical voltages vs. the state of charge. I've always liked this chart because it's very simple to use and easy to understand. You can see that a change of just a few tenths of a volt is very important as regards the state of charge of your battery. Obviously, a digital voltmeter is the instrument of choice for making voltage measurements.

Note that these voltages are for batteries that have been at rest for 3 hours or more with no load placed upon them. If the battery is being charged the voltage reading will be higher and the voltages you see on your voltmeter will not be giving you any useful information. You need to let the battery sit for a while as mentioned above prior to reading the voltage.

For getting the longest life out of your batteries be sure to keep them in the green zone. Infrequent dips into the yellow zone are not fatal but doing this repeatedly will considerably decrease battery life. Also realize that voltage measurements are approximations. The best and most accurate determination is of course to measure the specific gravity of each cell with a hydrometer. Aboard PANDA when the digital voltage displays show a value of ~12.2 volts I begin to think about charging them back up.

State of Charge	12 Volt battery	Volts per Cell
100%	12.7	2.12
90%	12.5	2.08
80%	12.42	2.07
70%	12.32	2.05
60%	12.20	2.03
50%	12.06	2.01
40%	11.9	1.98
30%	11.75	1.96
20%	11.58	1.93
10%	11.31	1.89
0	10.5	1.75

XO Deb's Deliberations ***Lt/CDebbie Neal, AP***

Boat shows are fun! No doubt about it. You get to see first hand all the latest and greatest gadgets for your nautical pleasure. At the San Diego boat show, I even saw glow in the dark lights for your dock cleats. Wow! Everyone needs some of these. Did you know you can even get custom made mattresses? But be sure to bring along your checkbook. I saw an array of T shirts with clever nautical sayings on them.

The show had seminars on a variety of topics. I went to a seminar where the presenter talked about ten affordable cruising boats. Affordable? Who is she kidding. The boats she talked about cost from \$70,000 to over \$200,000. Catamarans were even mentioned in her presentation, though they hardly fit into the "affordable" category. She discussed the positives and negatives for each boat. I found the seminar very interesting as well as informative.

Next was a trip down to the docks to see all the impressive boats. There were all kinds of boats from the sublime to the down right ostentatious. There were power boats and sailboats. As many of you already know, the trend these days is for sailboats to be wider and wider at the stern, providing much more interior space. In the event that you saw your perfect boat, there were lenders waiting to have you sign on the dotted line. My favorite boat, as you might guess, was the 41 foot Fountaine-Pajot Lipari catamaran. To take one home, all I needed was a mere \$450,000. Oh well. It is fun to dream.

The next boat show is the Long Beach show which runs from October 24 to 27 at Shoreline Village. Perhaps I'll see you there.



A gorgeous day for a sail on Lake Evans in Fairmount Park. The first race was for organizations that have donated to the Riverside Sailing Foundation and is almost ready to start. Arrowheads boat is on the left. This is Darrell's 3rd time ever in a little Sabot so our fingers were crossed

Don't forget the midweek cruise to Catalina, coming up July 16 th. Let Cdr Mike know that you plan to attend - there should be plenty of moorings available. And maybe they will have their special mooring plan in place; pay for one night and stay for 3.

Celestial Navigation

There's an app for that

USPS offshore Navigation courses may seem a bit intimidating to the trigonometry-challenged, but you can avoid most of the math drudgery by using a new iPhone app.

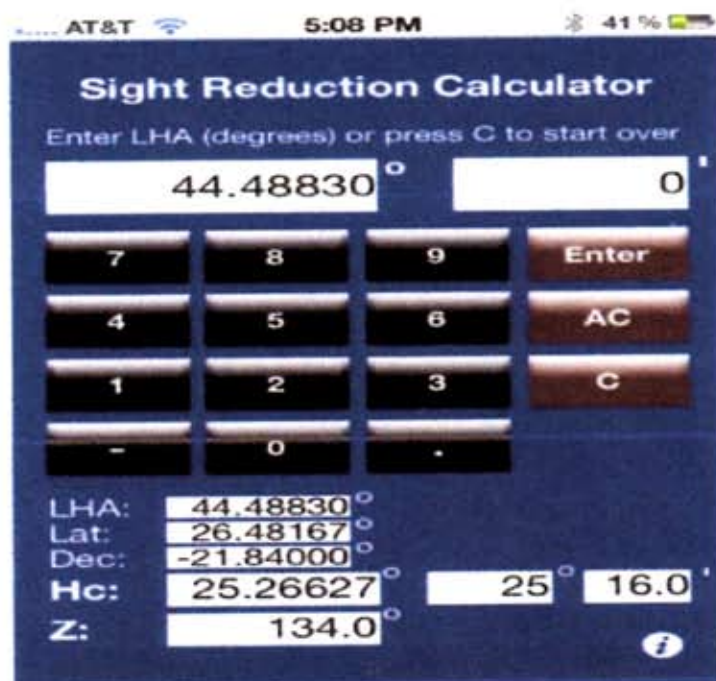
I took Junior Navigation last winter and enjoyed learning to use my grandfather's sextant to take sights. Although taking sights of the sun (measuring the angle of the sun above the horizon) was fun, unless you took the sight precisely at noon it did not tell you much about your position until

you ran it through a bunch of trig functions called the law of cosines, a major step in the sight reduction process.

To ease this task, USPS provides calculators programmed to solve the law of cosines, but these devices require many error-prone steps that can be frustrating. I decided that there must be a better way.

My first step was to install a programmable calculator app on my iPhone and program in the law of cosines. This worked OK but wasn't much better than the USPS calculators because it still required many steps.

Next, I searched for an app that would solve the law of cosines directly. There's an app for everything, right? Well, a number of excellent apps will



take your inputted sight data and calculate your position, but none could be used with USPS courses. They did too much; they included Nautical Almanac data, a step you must do manually for the Junior Navigation and Navigation courses.

At this point, I realized that the only solution was to write an app myself. I had never written an iPhone app, but I hauled an old MacBook out of the closet, signed up to be an Apple Developer, downloaded Xcode and all the tools, and started learning Objective C (the language for iPhone development) by taking the online Stanford University graduate school course, CS193P.

Does this seem like a lot of trouble just to avoid using an unwieldy programmable calculator? Perhaps, but the good news is that you can now use the app I wrote, Sight Calc, to easily do your sight reductions for JN and N.

Sight Calc is free from the Apple App Store. Unlike programmable calculators, Sight Calc accepts input directly in degrees and minutes or in degrees and decimal degrees (your choice), and then it displays results in the format required for entry on the USPS Sight Reduction Form, SR-96A.

I hope that by eliminating most of the sight reduction drudgery, Sight Calc will encourage more people to take and enjoy the USPS Offshore Navigation courses. If you try Sight Calc, please give it a review! *Sandy Traylor*

SKIPPER BOB'S FAMOUS (ALMOST) CUISINE

With the 4th of July coming up what could be better than good old American hamburgers (with a hint of Italian) because Power Squadron Member always like their eatings to be flavorfull !

1 ½ pounds Lean Ground beef

1 cup crumbled Gorgonzola cheese (that is 4 ounces)

½ cup snipped oil packed dried tomatoes

1 tablespoon snipped fresh thyme

½ teaspoon salt

½ teaspoon coarsely ground black pepper

4 cloves minced garlic

6 sourdough rolls split and toasted

Red onion slices

Tomato slices

In a large bowl combine beef, ¼ cup Gorgonzola cheese, all but 1 tablespoon of the snipped dried tomatoes, thyme, salt, pepper, and Garlic. Shape meat mixture into 6 ¼ inch patties. Grill your patties over medium heat. About 14 to 18 minutes. (160 F.) turning once ½ way through.

Remove from grill, top patties with remaining Garganzola cheese and remaining ½ dried snipped dried tomatoes.

Serve on toasted sourdough rolls with red onion and tomatoe slice.

AS A SIDE DISH MAKE A REFRESHING FRUIT SALAD .

Gently toss together ½ of a small cantaloupe , cut up, ¼ th of a small honeydew, cut up and 2 tablespoons white Basalmic Vinegar. Cover and chill before serving.

Don't forget to bring the cold beer.



General Dinner Meeting Information

Happy hour at 1830, Dinner & meeting/program at 1900
Dinner cost: \$21.00

Location: San Bernardino Elks
2055 Elks Dr., San Bernardino (Tel)909-882-3711

Executive Board Meeting Information

Location : TBD

the first Thurs of the month (call Cdr for directions).
*Minutes of Executive & General Meetings are available
at the General Meeting or can be distributed via e-mail.*

Cruising Log

P/C Darrell Sausser, SN

The July cruise will be a midweek cruise to Catalina, hosted by the Mann's on July 16 - 19. This will be a chance to see Catalina without the crowds of a warm summer weekend, more the real laid back island atmosphere. At times both Avalon and 2 harbors have special midweek mooring rates. although in the summer months it's less likely. The last 2 harbors rate was pay for 1 night and get 3 free. So 4 nights for the price of 1. Their limitation was from Sunday through Wed nights (leave Thurs morning or pay for more mooring nights). There will likely be a group BBQ, though there's now a charge to use the BBQs ashore at 2 harbors. Their BBQs are new, have a cover, and large enough for 2 fires simultaneously. Be sure to let the Mann's know that you'll join the fleet on July 16 for a laid back cruise to our local south seas island. Look for an email flash and telephone call with additional information about the cruise.

And don't forget to mark your calendar for the District 13 BBQ at 2 harbors on August 10th. P/D/C Ken Voight and Rosemary Radomsky are in charge this year. A registration form will be in the next D13 newsletter as well as our LOG.

Arrowhead Log Bendings:

I am looking forward to our Log Bendings again this year. I am sure you are!! They are so much fun. It is another great way to socialize with members of our squadron. They are very easy to host.

We all love good potlucks!!

Carri Gunn – 951-529-2048
or Artbarn@carrigunn.com

Log Bendings 2013

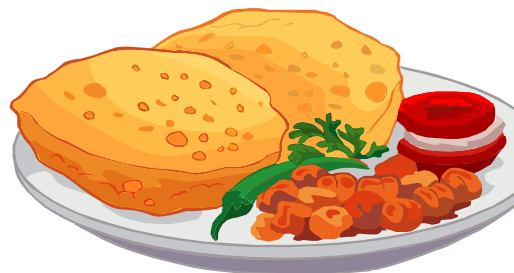
August 31 – Looking for Volunteer

September 29th – Looking for Volunteer

November 2nd - Kanchan & Kaustubh Patankar

December

January 2014



**MEETINGS have changed to
Wednesday evening:**

**NOTE: no dinner meeting in
JULY or AUGUST**

**The next dinner/meeting
will will be**

September 11, 2013

**Remember - Dinner Reservations are
required for Squadron meetings at San
Bernardino Elks Lodge**

**The deadline for reservations is the
prior Friday -**

September 6, 2013

**Always contact Pat Rogers,
or commander Mike Mann
to make your reservation.**

John "Pat" Rogers,

PO Box 2

Running Springs, CA

92382-2792

E-mail: patrogers906@aol.com

Phone (H) 909-867-5361

(C) 909-677-6134

COMING EVENTS >

--- 2013 ---

July	ASPS Bridge meeting, location TBD	Cdr Mike Mann	951-689-2105
July	NOTE: no general dinner/meeting in July		
July 16-19	Midweek cruise to Catalina, hosts Mike and RonnieMann	Cdr Mike Mann	951-689-2105
July 20	Copy deadline for May LOG	P/C Darrell Sausser	951-780-2694
July 27	LBHS#5, sponsor: Little Ships Fleet Yacht Club		
July 27	Flare Shoot, Santa Barbara hosting	Cdr Marcia Rowland	805-967-7190

Aug	NOTE No bridge meeting, No General dinner/meeting in August		
Aug 9- 13	District 13 BBQ @ Isthmus, Catalina	Lt/Cdr Dick Daybell	714-801-7319
Aug 17	LBHS #6 Dog Days of Summer Sponsor: Shoreline Yacht Club		
Aug 20	Copy deadline for September LOG	P/C Darrell Sausser	951-780-2694
Aug 31	Log Bending Party, Location TBD		

Sept 4	USPS Nat'l Meeting, San Antonio, TX		
Sept 11	Arrowhead SPS, Xbd mtg & Dinner/meeting	Cdr Mike Mann	951-780-2694
Sept 14	ASPS Land Cruise: Morning - narrated cruise of working Long Beach Harbor, lv dock @ 10am Afternoon - tour of BB61, Battleship Iowa, 1300 - 1600, Dinner after tour @ nearby Acapulco Restaurant	P/C Darrell Sausser	951-780-2694
Sept 20	Copy deadline for Oct LOG	P/C Darrell Sausser	951-780-2694
Sept 28	Log Bending Party for Oct LOG, Location TBA		



Arrowhead Log Editor
P/C Darrell Sausser, N
15665 Russell Ave.
Riverside, CA 92508-8850