



# THE COASTSIDE COMMUNICATOR

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WWW.COASTSIDEARC.ORG

## PRESIDENT'S COLUMN

Greetings!

First, another update on our repeater replacement efforts: Project Manager Roy Brixen-KE6MNJ reported at the June CARC meeting that the replacement process continues to move along efficiently, though slower than originally hoped for. The subcommittee Power Team has met and is in the process of finalizing the proposed design for the repeater power system. They expect to have detailed drawings ready for the July CARC meeting. Roy informed the members present that despite the many hours already put in by the subcommittee teams, his original goal for installing the new repeater this August has proven to be too optimistic. Because of a need to assemble the repeater and do extensive testing before hauling it up the hill – and because this is a hobby and not a full-time job for the committee members involved -- it is now the goal to do the final installation in the spring of 2018 after the rains subside.

Second, another reminder that Casey Villyard-N6TZE is seeking additional volunteers to assist with communications for the Devil's Slide Ride event that will take place on Saturday, July 29. If you're available to assist with communications at the water and food stations, SAG, net control, etc., please contact Casey. I can assure you this is one time when your service is really appreciated by the participants. If you're a new ham, Casey will pair you up with someone with more experience and find an assignment you're comfortable with. This one is truly a fun event. Lastly, I want to remind you all that our July meeting will include, among other things, an update on the repeater replacement team progress, some assistance with any build problems for those building fox hunt antennas, and an "ice cream/pie social." Hope to see you there!

73,

Mary Ellen-AJ6J  
Club President



## JUNE MINUTES

Mary Ellen Scherer-AJ6J called the May 14th, 2017 meeting at the Linda Mar Fire House in Pacifica to order at 7:30 PM. Self-introductions followed.

The published minutes of the May meeting stated that Frank Erbacher-N6FG was present at the meeting when, in fact, he was not. A motion was made to approve the minutes (including that correction) by Roy Brixen-KE6MNJ which was seconded by Gary Barnes-KI6HIG. Approved by the membership present.

### *TREASURER'S REPORT*

Frank Erbacher-N6FG gave the financial report. General fund \$2495.00. Repeater fund \$1226.85. APRS/Digipeater fund \$89.09. EOC/Public Service fund \$11265.11. Frank gave the grand total as \$15896.43, but he thought that this sounded incorrect, and will track down any error in the reporting.

He also reported that we now have 63 members, 61 of which are licensed (our newest member Ken Restivo-KM6KYQ attended the meeting).

He also reported that there were no bills and no correspondence this month, other than the usual stream of notices regarding "swap meets in the central valley".

### REPEATER

Update on status of the WA6TOW repeater from Dave Rinck-K6DMR. No change in status, although when time is available Dave Rinck-K6DMR and/or Casey Villyard-N6TZE will go up the hill and do what it necessary to get the batteries charged up again.

Update from the Repeater Replacement Committee Chair Roy Brixen-KE6MNJ. The power subcommittee met last Saturday (June 10) and came up with proposed design for the new repeater's power system. Drawings of a slightly more detailed version of this design are being prepared. By next month's meeting there should be a detailed parts list, which will make it possible to make a request for money to buy the remaining parts. It now seems unlikely that everything will be completed by August; the likely timeline is that we will finish the assembly of the parts and move the new repeater to Mike's

**Repeater cont.**

house, play with it (using a different PL) over the rainy season to shake out any problems, and install the new repeater on the hill in the spring.

Status of Auto-Patch/Digipeater/APRS from Dave Rinck K6DMR. No change in status.

**EMERGENCY SERVICES**

No Report

**FIELD DAY**

Frank Erbacher N6FG led a discussion around field day planning. We are light on volunteers this year but will make as much progress as we can, starting with 20M.

Roy Brixen KE6MNJ offered up a vertical antenna which could be useful given that we are light on people for setup.

Chris Icide W6EZE will rent the second truck (for about \$130), but he will rent it one day early (at an additional cost of about \$30) to make the logistics on Friday actually work out (he won't get out of work until after the rental places close).

Dave Rinck K6DMR says the permits will be here any day.

Frank Erbacher N6FG says insurance is in place.

Frank Erbacher N6FG and Casey Villyard N6TZE are doing the rental and delivery of the portable toilets.

Walt Long KG6EDY says we will be listed on the ARRL site as being at the "Portola Discovery Site". The sheriff plans to make an appearance so that we can get the extra 100 points.

**FOG FEST**

Frank Erbacher N6FG has not sent out the e-mail asking for volunteers, but will soon.

**NEWSLETTER**

Published

**MEMBERSHIP RECRUITMENT**

Mary Ellen Scherer AJ6J brought up the topic of getting lists of new hams and actively inviting them to the club that had been discussed at a previous meeting. She said that Tom Oliver KJ6OGL volunteered to generate a list and forwarded what he has to date, but more needs to be done. We will bring up this topic again at the July meeting.

**WEBSITE**

Scott Mercer renewed the service hosting the website. The website, however, is not being kept up to date; for example, the "new events" section describes events in 2014, and the

"bylaws" section says that the bylaws are still proposals. It was suggested that things like this make the club look less active than the one in, say, Half Moon Bay. Mary Ellen Scherer-AJ6J will call Scott and figure what needs to be done to make it possible for multiple people to update the content of the website.

**EVENTS****Devil's Slide Ride**

Mary Ellen Scherer AJ6J said that Casey Villyard N6TZE is looking for additional volunteers for the Devil's Slide Ride which will be held on July 29th (Saturday)

The plan to revise the net script so that it isn't so long is moving slowly because of demands on Josh Villyard-N6TZF's time. Mary Ellen suggested that we might want to consider adopting the shortened script (written by Dave Chamberlin AE6DC) for official use, since the demands on Josh's time don't seem like they will end soon.

**NEW BUSINESS****JULY MEETING**

The July meeting agenda will include a wrap-up of field day and the "Ice Cream Social" with Walt Long-KG6EDY responsible for the Ice Cream and Roy Brixen-KE6MNJ (and possibly Mary Ellen Scherer-AJ6J) responsible for the pie. Steve Paganelli-K6YUA said that some members have been building Fox Hunt antennas at home, and that they should bring what they have to the July meeting so he can help them with any build problems (and, if they need help right now, they should contact him by e-mail and he will send whatever information he has). He will also bring some antenna information packets for anyone wanting to build an antenna that does not already have the information.

**ADJOURNMENT**

A motion to adjourn the meeting was made by Gary Barnes KI6HIG which was seconded by Roy Brixen KE6MNJ. Approved by the membership present. Meeting adjourned at 8:45 PM.

**PRESENT AT THE MEETING**

The following Life Member has become a Silent Key:  
Roger Spindler-WA6AFT.

Officers: **President:** Mary Ellen Scherer-AJ6J. **Vice-President:** absent. **Secretary:** absent. **Treasurer:** Frank Erbacher-N6FG.

**Members:** Gary Barnes-KI6HIG. Walt Long-KG6EDY. Chris Icide-W6EZE. Roy Brixen-KE6MNJ. Dave-Rinck K6DMR. Bill Lillie-N6BCT. Dave Conroy-KM6CPF. Steve Paganelli- K6YUA. Ken Restivo-KM6KYQ.

Submitted by Dave Conroy-KM6CPF, substituting for Tom Oliver-KJ6OGL, Secretary.

## 2017 FIELD DAY- A CO-CHAIRMAN PERSPECTIVE

The CARC had another successful Portola Discovery Site Field Day Event. Sort of a typical weather, foggy and overcast most of the time but not as wet as many years. No spectacular clear day or night moments. Day time propagation seemed poor Saturday but seemed better Sunday AM. Other stations were complaining also so it wasn't just our equipment.

It was not warm during the event but the fog and moisture was not a major problem. We had stiff winds at time. No heaters were used. Sunday morning fog was slight for take down and were off the top of the hill around 1:30 PM Sunday.

I am again VERY thankful for ALL those willing helpers on setup, staying to operate and for take down. We still could have used more operating help during the night.

A major part of Field Day is informing visitors about Amateur Radio and Field Day's purpose. We also informed them of this Portola's 1769 SF Bay Discovery Site, its history and the 1969 purchase from by the City of Pacifica with Pacifica Historical Society from grants, donations to protected it from developing. The monument in time for the Bi-Centennial of the SF Bay Discovery. Site was deeded after the GGNRA was established. CARC Field Day operations have used this site for most years since '69.

All I saw were smiles except there was some frustration with band conditions, noise and dense signals. Great Job Gang!

### CARC Operation:

Setup and take down crews were small so only the 20 Meter beam was setup, not the 15 Meter full-sized beam. In its place, Chris- W6EZE, provided his tunable vertical (<http://www.steppir.com/crankir-vertical-and-dipole>) which allowed him to quickly change bands as we needed including 15 meters.

Saturday: 20 meters started operating about 11AM with W6EZE's antenna which he used from 40 Meters up and for his GOTA Station. At before 12 PM, the 20 Meter beam was in service and the 40/15 meter and 80 meter wire antennas were ready.

Truck Station: Chris- W6EZE provided BATTERY/SOLAR (100 points) until dusk Saturday. A small NEW QUIET 3 KW Generator (Walt- KG6EDY) powered all.

Chris- W6EZE also provided all the logging computers, all the network with cabling using contest software (Donated to CARC by Joe- N3CKF). His stations were an IC781 HF and a Yaesu VHF/UHF all mode, all LED lighting and the network cabling. Chris also picked up/returned the moving truck station (paid by Club).

Van Station: I provided this and used my IC756 Pro II (from Roger-WA6AFT's estate).

Bands used were 80, 40, 20, 15 with 2 meters and 440 MHZ all modes. No digital again.

The current CARC antenna setup had been provided by or fabricated by Roger- WA6AFT (SK).

### **Preliminary report:**

----The band conditions were not as good as last year but we still had 63 CW, Zero Digital, and 399 Phone totaling contacts this year (vs. 477 '15). CW will give us 2X the points. The Field Day Bulletin this year was again copied by Bill- N6BCT. Often Field Day guest CW operator Chris- K6SF again provided all our CW points. Joe will provide more details in his August F D Report article. You can go to the website for Joe's raw data. Looking at the total operation we could added late hour help and even SLOW CW operators when Phone is all dupes (Did you hear that Mr. FG! Oops that's me!)—

Co-Chair Dave-K6DMR provided our GGNRA permit contacts and dealings. I contacted Pacifica Tribune for the FD Article and for City of Pacifica's Amateur Radio Week Proclamation.

N6FG transported the Porta Potty Room. Joshua- N6TZE delivered the Saturday evenings pizza with a few friends and new ham. Two Sherriff's CU members (2) included Ross-WB6ZBU (CARC) and SSF Fire Chief visited (100 pts). Forty visitors signed receiving FD and Portola Site info. A good number did not sign.

Attending and operating were: Over Overnight gang were Chris- W6EZE (See above), Quentae- KF6OLC (Operator, take down), Mauricio Ramirez (Set up and Recheck, Safety Man and Coax winder), Cheryl- KJ6RNK (Signing in many visitors, handing out information and site history and "Why" Amateur Radio and the event), Walt- KG6EDY (Ground Fault Protection, Operating Area and Potapotty LED lighting, Operating and Our quiet 3k Generator)) and myself, N6FG. Others- Dave-K6DMR (Permits every year, Operating, Setup and early Sunday take down), John- N6SJF (Setup and CW points man), George- KJ6TSX (Setup and take down help), Joshua- N6TZF setup help and again with friends delivering Saturday Pizza, Bill- N6BCT- (Setup, Operator and ARRL FD Bulleting-100pts.), Guest operator Lon Carter- KK6TOI, Dave Conroy- KM6CPT (dazed, recently back from work in middle east but still there for set up, guying and Inverted Vee un-tangling, Operating), and myself, Frank- N6FG, who is hoping he hasn't missed anyone. (Casey- N6TZE Portapotty storage and gas but with vehicle problems, missed hill top). Fifteen (15) in all. GOOD JOB ALL!!!!!!

"I CAN'T WAIT UNTILL 2018 FD" - 73's Frank- N6FG

**ARRL UPDATE****Jamboree on the Air Marks 60 Years this Fall**

"60 Years Connecting Scouts" is the theme for the Boy Scouts' 2017 Jamboree on the Air ([JOTA](#)), set for October 20-22. JOTA Coordinator Jim Wilson, K5ND, said the theme "recognizes the start of the event in 1957 and commemorates its growth in participation and in the expanding communication channels that are activated on the third weekend in October." The official JOTA patch will be available by July 19. The JOTA-JOTI (Jamboree on the Internet) patch is available now.



Wilson said JOTA's "communication channels" now include Amateur Radio on the air and via internet-based channels, as well as many other internet-based options, including social media, ScoutLink and IRC chat services, Skype, and more. "It also recognizes the goal of the event -- connecting Scouts so that they can engage in conversations with other Scouts across town and around the world," Wilson said. "This allows them to discover geographic and cultural differences and similarities. Plus, they are exposed to the technology that makes all this happen." The World JOTA-JOTI Team said it would announce "a number of weekend activities supporting the 2017 theme."

JOTA participation last October was up from 2015's numbers. According to the final JOTA report, 10,761 Scouts took part -- an increase of more than 50% from a year earlier -- and the number of stations filing reports, at 267, jumped by 28% from 2015 (the record was 271 in 2013). The number of Amateur Radio operators was up by 14% to 1,120, although the number of radios reported in use dropped by 25% to 631. Total JOTA 2016 contacts remained flat at 8,254. -- Thanks to JOTA Coordinator Jim Wilson, K5ND

**Ham Radio Aviator WB6RQN Reaches Halfway Point of Round-the-World Flight**

Texas radio amateur and pilot Brian Lloyd, WB6RQN, is right on schedule on his commemorative Amelia Earhart [round-the-world flight](#). He reached Darwin, Australia in his airplane Spirit on July 1, in time to enjoy local hospitality as well as some Territory Day celebration events, including a fireworks display. Greeting Lloyd upon his arrival in Australia was Stuie Birkin, VK8NSB, who had been in contact with Lloyd on 20 meters while he was still aloft.

"With Brian now part of the family, we headed to the Territory Day fireworks at East Point Darwin," Birkin reported. For his part, Lloyd expressed gratitude for the hospitality following his 10-hour flight leg from Indonesia.

Following seven stops in Australia, Lloyd was scheduled to depart Sydney on July 6 for New Zealand.

Lloyd will head out across the Tasman Sea to Auckland, New Zealand, and then the Pacific for Suva, a fly-over of Howland Island -- which has no runway -- and Hawaii. He planned to drop a wreath of flowers when he passes above Howland Island, in memory of Amelia Earhart. Howland was where the famed aviator and author and her navigator Fred Noonan are believed to have vanished on July 2, 1937.

Before taking off from Miami on June 1, Lloyd estimated that the circumnavigation would take 2 months. To give his 1979 Mooney 231 aircraft additional range, he modified it to carry 150 gallons more fuel. He also equipped it with modern navigation equipment, long-range radio, and satellite communication gear. Because the flight involves some risk, special safety gear is part of his equipment ensemble.

WB6RQN has been operating SSB on 17, 20, and 40 meters (18.117, 14.210, 14.346, and 7.130 MHz). -- Thanks to Jim Linton, VK3PC

**AMATEUR RADIO HISTORY*****THE WAYBACK MACHINE***

*BY BILL CONTINELLI - W2XOY*

Our Founding Fathers knew that the United States would have to enter into legal and binding agreements with foreign countries, thus in Article II, Section 2 of the Constitution, they gave the President the power to make treaties, with the approval of two-thirds of the Senate. Over the years, the Supreme Court has ruled that provisions of a treaty are constitutional and legally binding, even if the exact same provisions contained in a law not covered by a treaty would not pass the constitutional test.

Under the Radio Act of 1927, and the regulations issued by the Federal Radio Commission, amateurs were "in the catbird seat" (to use a popular phrase of the day). They had over 2700 kc of spectrum between 160 and 20 meters, plus another 15,000 kc at 5 meters. They had a Secretary of Commerce (Herbert Hoover) who was a strong proponent of amateur radio. Congress was supportive and sympathetic. Nothing could go wrong--or could it?

Yes it could. An International Radiotelegraph Conference was scheduled for Washington, D.C., on October 4, 1927. Here, participants from 74 nations would gather to hammer out an international treaty covering the entire known radio spectrum. Once this treaty was accepted by the Senate, it would become Law, and supersede anything contained in the 1927 Act. Although amateurs could count on the full support of the U.S. Delegation, we had only one vote, the same as any of the other 73 participants.

So how much support could we count on from the other countries? Sadly, not much. Democracy was still a foreign idea

**Wayback Machine cont.**

to most nations; many hovered in that gray area between Old World Monarchy and Fascism/Communism. Communications were a government monopoly. Individual private stations were feared; they could compete with the Government Stations, or they could be used in anti-government activities. This attitude was even present in the representatives from England and France. As for the other countries, many were blatantly anti amateur radio. Germany, for example, stated that private stations could violate "the rights of the State". Switzerland was on the record against amateur radio. Japan would tolerate amateurs, however they would have to use "phantom" (i.e. non radiating ) antennas. In other words, you could have a transmitter, you just couldn't radiate a signal!!!! One proposal would only give amateurs frequencies below 13 meters (above 23 Mc).

Fortunately, the ARRL and the International Amateur Radio Union (founded in 1925) were well aware of this hostility and had made detailed preparations. The IARU and the ARRL both had made presentations to the various delegations prior to the start of the conference. Support of the amateur community was also received from private radio interests and radio manufacturers. The ARRL and the IARU would both have delegates attending the conference.

And so, after the opening session, which was addressed by President Calvin Coolidge and Secretary of Commerce Herbert Hoover (who was also president of the Conference), the delegates divided themselves into subcommittees and began to work.

England, the European country most favorable to amateur radio, made it's first proposal: Amateurs would be allowed the 150 to 200 meter band (1500 to 2000 kc) with a maximum power input of 10 watts. The ARRL/IARU delegates, K.B. Warner, H.P. Maxim and C.H. Stewart, as well as W.D. Terrell, who was Chief of the Radio Division in the Department of Commerce, indicated that this was unacceptable. The British then came up with a compromise position: amateurs would have the 150 meter band, as well as bands at 2.75, 3.66, 5.50, 11.00, 22.00, and 44 Mc. Except for the 1500-2000 kc segment, each band would be 100 kc wide. The total amateur allocations under the British proposal were 1100 kc, of which 900 kc was in the known usable spectrum below 15 Mc. This was a 60% reduction for American hams in the frequencies below 15 Mc, and a whopping 93% reduction when you counted our 4 to 5 meter band!

Nevertheless, many delegates urged the U.S. and ARRL/IARU representatives to accept this proposal. They pointed out that it was far more generous than many countries were willing to give on their own. With the use of cw and crystal control, it was argued, there would be enough room for all amateurs. Many were afraid that if the British compromise wasn't accepted, a more restrictive band plan for amateurs would take it's place.

The ARRL/IARU delegates had one thing in their corner, however; the strong support of Secretary Hoover and the American Delegation. With that, they found the strength to

(carefully) carry on. They were diplomatic, but they were persistent. Maxim, Stewart and Warner proceeded step by step.

The 160 meter band was the first agreed on--1715 to 2000 kc. Next, it was decided that the remaining amateur bands would be at the 80-40-20 meter spots. How wide they would be was the next argument. On the 80 meter band, everyone was at a stalemate until it was suggested that the band could be 3500-4000 kc on a non-exclusive basis. This was accepted by all the delegates. Each country could decide for themselves how much of the 500 kc they would allocate to amateurs. Next on the agenda was 20 meters. The U.S. wanted 14,000 to 16,000 kc. There was no way any of the other delegates would agree. After much debate, the U.S. delegation realized that 400 kc was the maximum they were going to get, and acquiesced. With 160, 80, and 20 out of the way (and the U.S. assured of at least adequate domestic and international allocations) the subcommittee turned to 40. The American delegation wanted 7000 to 8000 kc; the most any other country was willing to offer was 7000 to 7200. Germany, in fact, put a high power station on 7200 kc in order to thwart a larger amateur allocation on 40 meters. Back and forth the debate went, the other delegates finally offered 225 kc. Maxim and Stewart felt they had played their last hand and wanted to accept the proposal, Warner, however, still pushed for 400 kc. More debate followed. Finally, the other delegates agreed to 300 kc. Additional bands were set up at 10 and 5 meters.

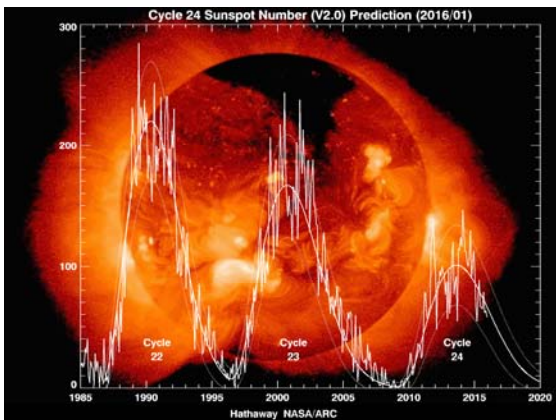
When the dust had settled, the Conference had approved the following amateur bands: 1715--2000, 3500--4000, 7000--7300, 14,000--14,400, 28,000-30,000 and 56,000--60,000 kilocycles. This was a 37.5% reduction in the frequencies amateurs had under the U.S. regulations, however, it was a vast increase for the amateurs of most other countries. Furthermore, the frequencies approved by the Conference established amateur radio under international law-something which had not existed before. Given the circumstances, this was a major victory for amateur radio.

Initially, there was some opposition by a minority of U.S. hams to the ratification of the Treaty. The ARRL and the vast majority of amateurs, however, supported it, knowing that a small loss in frequencies was insignificant in comparison to the international recognition now given to amateur radio. The Senate agreed and, on March 21, 1928, ratified the Treaty. As a postscript, Herbert Hoover, the Secretary of Commerce who had always supported amateur radio 100%, was elected President of the United States in November 1928. Although most remember his administration as coinciding with the depths of the Great Depression, it was also the time of the greatest growth in amateur radio history. From the 1929 total of 16,289 to the 1933 count of 41,555, amateur radio grew 255% in 4 years. Before his death at the age of ninety on October 20, 1964, Hoover would live to see his son, Herbert Hoover Jr. W6ZH, elected President of the ARRL, and see an amateur running for President of the United States (Senator Barry Goldwater, K7UGA/K3UIG).

**Wayback Machine cont.**

Whatever historians may think of his administration, hams will always remember him as a Friend to Amateur Radio. Next month, the Wayback Machine will begin to explore the battle over the VHF spectrum in the mid 40's. Did you ever wonder what happened to TV Channel 1? The Wayback Machine will have the answers.

*Re-printed with permission. Wayback Machine #7  
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**SOLAR UPDATE**

Tad Cook, K7RA, Seattle, reports: Our sun showed no sunspots on July 3-4, so average daily sunspot numbers dropped from 20.3 on June 22-28 to 8 for the current reporting week. Average daily solar flux went from 73.6 to 71.7. The average daily planetary A index rose from 6.9 to 7.1, and the average mid-latitude A index nudged upward, from 7.4 to 8.3.

Predicted solar flux is 74 on July 6-7; 75 on July 8-12; 71 on July 13-15; 72 on July 16-19; 71 on July 20-27; 70 on July 28-August 2; 71 on August 3-11, and 72 on August 12-15.

The predicted planetary A index is 5 on July 6-8; 12, 10, 8, and 5 on July 9-12; 23, 13, and 11 on July 13-15; 5 on July 16-20; 11 on July 21-22; 5 on July 23-31; 7 on August 1-2; 5 on August 3-8, and 23, 13, and 11 on August 9-11.

[Monthly propagation charts](#) between four US regions and 12 overseas locations are on the ARRL website.

Sunspot numbers for June 29 through July 5, 2017 were 12, 11, 11, 11, 0, 0, and 11, with a mean of 8. The 10.7-centimeter flux was 71.8, 71.5, 70.7, 71.2, 71.7, 71.8, and 73, with a mean of 71.7. Estimated planetary A indices were 5, 4, 11, 18, 5, 4, and 3, with a mean of 7.1. Estimated mid-latitude A indices were 6, 4, 14, 20, 7, 5, and 2, with a mean of 8.3.

**COMING EVENTS****Pacifica CERT (Community Emergency Response Team)  
For training and information**

<https://pacificacacert.samariteam.com/RequestInfo.aspx>  
email: <mailto:cert@pacificapolice.org>

**QCWA NorCal Chapter 11 - Lunch at Harry's Hofbrau**

3<sup>rd</sup> Wednesday of every month  
1909 El Camino Real Redwood City, CA.  
No host. 11:00AM to 1:00PM (approx).

**ASVRO Silicon Valley Electronics Flea Market**

2<sup>nd</sup> Saturday of each month from March through October.  
De Anza College in Cupertino, CA. 7AM to noon  
Web Page: <http://www.electronicfleamarket.com/>  
Talk-In: W6ASH 145.27- (100Hz PL)  
N6NFI 145.23- (100Hz PL)

**LICENSE EXAMS****Bay Area Educational Amateur Radio Society**

Offering a one day study session for Technician or General theory, followed by testing. Fee: \$30.00

**When:** July 15 2017

**Where:** Cubberley Community Center  
4000 Middlefield Rd, T2  
Palo Alto, CA 94303

Registration required, class size is limited.

Web Page: <http://www.baears.com/> for info and registration.  
Questions: Ross Peterson (650) 349-5349 or [wb6zbu@arrl.net](mailto:wb6zbu@arrl.net)

**Silicon Valley Volunteer Examiner Group**

First and third Saturdays of each month, 8AM-11:00AM.  
Saratoga Fire Station 14380 Saratoga Ave, Saratoga, CA  
Fee: \$15

Walk-ins only, No pre-registration

Web Page: <http://www.svve.org>

**Sunnyvale VEC Exam Sessions**

Fee: \$15 Cash

Cut-off-time, 30 min. after starting time.

Exam: changes, directions, call (408) 255-9000 24/hr

Web Page: <http://www.amateur-radio.org>

Sat	July 8th	Sunnyvale, CA	10:30	AM
Sat	July 15th	Redwood City, CA	10:30	AM

**Online Practice Exams**

Within the practice tests, online study resources, (Wikipedia, NASA, ARRL, etc.), are provided for many of the questions. The list of resources available for each question is constantly growing because users can add their own favorite links to the study materials. Users can also track their test scores over time and see which sub-elements are giving them the most trouble. Practice Tests <http://copaseticflow.blogspot.com/>

**CARC MEETING/EVENT SCHEDULE**

Jan 11th	2017 Agenda Planning, LM Fire Station
Feb 8th	Agenda Final, LM Fire Station
Mar 8th	Meeting Night, Pizza Night, LM Round Table
Mar 12th	Daylight Savings Time Begins
Apr 10th	Pixi Wrap-Up Mtg, LM Fire Station
Apr 20th	Silver Dragon CERT Exercise, 0730-1300 hrs
Apr 30th	Dream Machines, El Granada
May 10th	Field Day Planning Mtg, LM Fire Station
Jun 14th	Field Day Planning Mtg, LM Fire Station
Jun 24-25	CARC Field Day, Sweeney Ridge
Jul 12th	Field Day Wrap-Up Mtg, LM Fire Station
Jul 29th	Devils Slide Ride, PARCA Bike Event
Aug 9th	Back to School Night, LM Fire Station
Sept 13th	3-D Printing for \$300 or less, LM Fire Station
Sept 23-24	Pacific Coast Fog Fest, Pacifica
Oct 11th	2018 Officer Nomination , LM Fire Station
Nov 5th	Daylight Saving Time Ends
Nov 11th*	Election Dinner, Nick's, Rockaway Beach
Dec 13th	Holiday Potluck Dinner Meeting, LM Fire

? to be determined # updated ---- canceled \* tentative date



www.smcready.org  
cert@pacificapolice.org



**In Memoriam**



**Roger G. Spindler-WA6AFT/SK**



**THE COASTSIDE AMATEUR RADIO CLUB**

The Coastsides Amateur Radio Club (CARC) is affiliated with ARRL, and meets the second Wednesday of each month at 19:30 hrs. in the Linda Mar Fire Station Community Room, on Linda Mar Blvd. in Pacifica. Visitors are welcome.

The CARC has been organized since 1959, serving Bay Area amateurs, and providing emergency communications services to the City of Pacifica. Membership dues are \$20.00 per year for the administration of the Club and the publication of the Communicator.

CARC supports two repeaters, WA6TOW/R (VHF and UHF); a Packet Digipeater, WA6TOW-1; and an APRS Digipeater, WA6TOW-2. Users of the machines provide repeater support and maintenance strictly through donations.

**VHF: 146.925 MHz –offset 600 KHz PL 114.8**  
**UHF: 441.075 MHz +offset 5 MHz PL 114.8**

**PL Tone: 114.8 Hz** is used on both repeaters, as needed, for noise suppression.

**Packet Digipeater: 145.050 MHz, Packet Node: PAC**  
**APRS Digipeater: 144.390 MHz.**

**CARC/Pacifica OES VHF Simplex: 146.535 MHz**  
**PL Tone: 114.8 Hz** is used, as needed, for noise suppression

**VHF Net**

The club sponsors a VHF net each Wednesday, with the exception of meeting nights, at 20:00 hrs. for membership check-ins, notices, and QST's. Note: The WA6TOW repeater on 441.075 MHz may be used as an alternate if the WA6TOW VHF repeater is down.

**HF Net**

The club sponsors a HF rag chew net on 3.852 MHz, or the first clear frequency up/dn, on Saturday at 09:00 hrs. with an alternate frequency of 7.228 MHz.

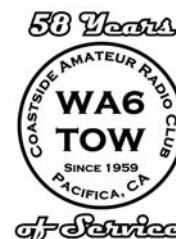


The Coastsides Communicator is a monthly publication of the CARC. All articles contained herein are the opinions of the authors and not necessarily those of the club members or editor.

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CARC, P.O. Box 1106, Pacifica, CA 94044



## COASTSIDE NETS

### Monday

7:00 PM on WA6TOW  
146.925 MHz, PL 114.8  
Pacifica CERT Net

7:30 PM on WA6TOW  
146.925 MHz, PL 114.8  
San Bruno ARC Net

### Tuesday

7:30 PM on WA6TOW  
146.925 MHz, PL 114.8  
Daly City ARES Net

8:00 PM on WA6TOW 146.925 MHz, PL 114.8 and KC6ULT 146.865 MHz, PL 114.8 simultaneously, but not linked.  
San Mateo County ACS Net

### Wednesday

8:00 PM on WA6TOW  
146.925 MHz, PL 114.8  
Coastside Amateur Radio Club Wednesday Night Check-in.

### Saturday

9:00 AM on 3.852 MHz, or the first clear frequency up/dn.  
(alt freq of 7.228 MHz.)  
Coastside Saturday Morning Group.

10:00 AM on WA6TOW  
146.925 MHz, PL 114.8  
QCWA Ch. 11 NorCal. Net

### Sunday

7:00-7:30 AM on WA6TOW  
146.925 MHz, PL 114.8  
Knights of the Megahertz Net



**MEETING  
NOTICE:**

**JULY 12TH  
LINDA MAR FIRE STATION  
PACIFICA  
7:30PM**

**FIELD DAY REVIEW  
AND  
MEETING**

CLUB OFFICERS				
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## COASTSIDE COMMUNICATOR

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FIRST CLASS

TO:

*58 Years*



*of Service*