



# THE COASTSIDE COMMUNICATOR

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MAY 2015

WWW.COASTSIDEARC.ORG

## PRESIDENT'S COLUMN

Greetings,

This month is our Ice Cream & Pie Social night. So come build yourself an ice cream sundae, or have some pie à la mode. We have Casey-N6TZE and Roy-KE6MNJ to thank for the goodies.

Our Treasurer, Frank-N6FG, reported that our State and Federal Taxes have been filed. I thank Frank for taking care of this tedious task.

Field Day is less than two months away. This leaves two meetings to take care of the details. This is the time to bring up any suggestions for changes. Otherwise, it is a repeat pattern of the past years, making it more of a formality of who does what, and approving expenses.

On April 23rd, some of the Club member participated in the County Health Departments 'Silver Dragon 9.' We provided communication support for CERT teams passing out information to an area in Brisbane. I want to thank that participated.

We are still working out the details of our trips for this year; a repeat trip to the De Anza Swap Meet and trip to Halted Electronics Supply; a trip to the SF Cable Car Barn and Powerhouse; and a Tour of the Computer Museum.

I hope to see you at the meeting on May 13th.

73,

Walt-KG6EDY

## APRIL MINUTES

The April 8<sup>th</sup> meeting was called to order at 7:38 p.m. by our club president, Walt Long-KG6EDY at the Linda Mar Fire Station in Pacifica. Self-introductions by the members and guests followed.

No corrections to the minutes were made. It was moved by David Rinck-K6DMR to approve the minutes as published in the Coastside Communicator. The motion was seconded by Bob Barbitta-W6LOG and passed unanimously by the membership present.

### *TREASURER'S REPORT*

Frank Erbacher-N6FG read the report of the Club's financials: \$1,132.30 in the General Fund; \$2,498.51 in the Repeater Fund; \$692.41 in the Digipeater Fund and \$9,276.11 in the EOC/Public Service Fund. These individual fund totals add up to a club total of \$13,599.33.

The treasurer paid \$23 for mailing and publication of the Coastside Communicator newsletter.

Frank requested that he be reimbursed \$10 for the printing of equipment manuals. A motion was made by David Rinck-K6DMR to pay the bill, with a second by Ed Freeman-KF6TWW and passed by the membership present.

### MEMBERSHIP

Frank informed the members that CARC currently now has 57 members 55 licensed and 2 unlicensed. There are 17 members who have not renewed.

### COMMUNICATIONS

Frank stated that the March bank statement was received by the Club.

## *COMMITTEE REPORTS*

### REPEATER

David-K6DMR reported that he and Casey-N6TZE are preparing to set up testing at their residences.

### AUTOPATCH

Offline (on the hill)

### DIGIPEATER

No Report

### APRS

No Report

### EMERGENCY SERVICES

Casey-N6TZE reported that the Pacifica EOC was opened for the Tsunami Drill on March 25<sup>th</sup>. Casey-N6TZE, provided updated reports for the field, while David-K6DMR and Carmel-KJ6ERS operated the radios and paperwork in the Radio Room at the EOC.

### FIELD DAY

Frank-N6FG announced that once again we will be having Field Day on June 27-28. David-K6DMR noted that he would once again apply for the permit with the GGNRA for the Sweeney Ridge site next month.

### FOG FEST

Frank-N6FG stated that he has submitted paperwork to confirm our participation for communicators at the Fog Fest this year. The event is slated for September 26 and 27.

### NEWSLETTER

Published

WEBSITE  
Operational

### ***UNFINISHED BUSINESS***

None

### ***NEW BUSINESS***

The Silver Dragon CERT Emergency Preparedness Drill is scheduled for April 23<sup>rd</sup> in Brisbane.

The Devil's Slide Ride is scheduled for July 18<sup>th</sup>. See Casey-N6TZE for more information.

Professor Roy Brixen announced he would give a presentation at the July meeting on DX Prediction Programs.

### ***ADJOURNMENT***

It was moved by Bob Barbitta-W6LOG and seconded by Ed Freeman-KD6TWK and unanimously approved by the members present that the meeting be adjourned at 7:58pm.

### ***PRESENT AT THE MEETING***

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

**Officers:** President: Walt Long-KG6EDY;  
Treasurer: Frank Erbacher-N6FG

**Members:** Gary Barnes-KI6HIG, Ed Freeman-KD6TWK, David Rinck-K6DMR, Robert Barbitta-W6LOG, Roy Brixen-KE6MNJ, Lucas Ford-W6AER, Tom Oliver-KJ6OGL, Casey Villyard-N6TZE, Richard Lira-KK6PCC, Mark Ford-KA7LAS, and Matt Ford-KK6SHI.

**Visitors:** Russell Murdoch-KK6SWA, Matthew Kaufman-KA6SQG

Reported by David Rinck-K6DMR



## **NEWS**

### ***REQUEST FOR AMATEUR RADIO VOLUNTEERS: DEVIL SLIDE RIDE***

I have been asked to help with the communications effort for The Devil Slide Ride-2015. This event supports the efforts of Parca who provide assistance to people with developmental disabilities and their families in the San Mateo County area. More information about Parca can be found at:  
<http://www.parca.org/>

It will be held on Saturday, July 18<sup>th</sup> and we will be using the WA6TOW repeater for the entire ride area. As is usual for these types of events, the communications effort will be to pass health and welfare traffic and to help facilitate the smooth running of the ride.

The ride starts in Pacifica at the community center on highway one. It goes south on highway one and then over the mountain to the bay side. The mountain crossing happens in two places. One crossing will be just south of Half Moon Bay and other will be in Pescadero. Once on the east side of the

mountain, the course will return to the Pacifica community center.

More information on the bike ride can be found at:  
[www.devilsslideride.org](http://www.devilsslideride.org)

If you are available to volunteer on June 28<sup>th</sup> for this event please sign up on the volunteer page  
<http://www.devilsslideride.org/index.php/volunteer>. Make sure you tell them you want to work in the Amateur radio communications group.

If you have additional questions give me a call or send me an email at [n6tze@arrrl.net](mailto:n6tze@arrrl.net).

Amateur radio really shines at these types of events and it is for a great cause.

73,

Casey-N6TZE

### ***ARRL UPDATE***

AMATEUR RADIO HEADS INTO WRC-15  
"WITH EVERY POSSIBILITY OF SUCCESS"

The recently ended second World Radiocommunication Conference 2015 (WRC-15) Conference Preparatory Meeting (CPM15-2) left Amateur Radio "with every possibility of success" heading into WRC-15 this fall, said ARRL Chief Technology Officer Brennan Price, N4QX. Price was on the US delegation at CPM15-2, which wrapped up on April 2. The 2-week-long meeting addressed a variety of spectrum-related matters, including several dealing with Amateur Radio. Its Report to WRC-15 focuses on technical, operational, and regulatory matters that ITU member-states will consider in developing their proposals to WRC-15. More than 1250 participants from 105 ITU member-states attended.

"Through our combined efforts, methods favorable to Amateur Radio were included in all appropriate places within the CPM report," Price said this week. "Amateur Radio will enter WRC-15 with every possibility -- although no assurance -- of success."

In addition to Price, those representing Amateur Radio at CPM15-2 included International Amateur Radio Union (IARU) President Tim Ellam, VE6SH/G4HUA; Bryan Rawlings, VE3QN (Canada); Ulrich Mueller, DK4VW (Germany); Ken Yamamoto, JA1CJP (Japan); Hans Blondeel Timmerman, PB2T (The Netherlands), and IARU Vice President Ole Garpestad, LA2RR (Norway).

Delegates to CPM15-2 okayed text for WRC-15 agenda item 1.4, dealing with a secondary Amateur Radio allocation at 5 MHz. "The methods proposed in the text, as expected, are all over the map -- ranging from no change to an expansive allocation of 5275-5450 kHz, with explicit suggestions of 15 kHz and 100 kHz in between, and a few methods with details to be filled in later," Price explained. "In short, there is a wide divergence of opinion, and no certainty as to the outcome."

Text for other Amateur Radio-related agenda items "appropriately reflects our concerns," Price said. "Text for agenda item 1.1 correctly notes that no compatibility studies between Amateur Radio and mobile broadband applications have been conducted for the bands under consideration in which there is an Amateur Radio allocation."

**ARRL Update cont.**

He said a method for agenda item 1.6, proposing to authorize Fixed-Satellite Service operation in the 10-10.5 GHz band, was removed from the final text, while a method was added to agenda item 1.12 at the request of the US to provide appropriate protections to the Amateur Satellite Service at 10 GHz, "to supplement the high degree of compatibility that proposed Earth Exploration Satellite Service operation has demonstrated in the band," he added.

WRC-15 will get under way on November 2 in Geneva, and will conclude on November 27. World Radiocommunication Conferences are mandated to review and revise the Radio Regulations, the international treaty governing the use of RF spectrum and satellite orbit resources.

François Rancy, Director of ITU's Radiocommunication Bureau, said the outcome of CPM15-2 "represents a major step in the preparations for WRC-15."

**FCC PROPOSES TO MAKE PAST AMATEUR RADIO ADDRESS INFORMATION PRIVATE**

The FCC is seeking comments on a Notice of Proposed Rule Making (NPRM) in WT Docket 15-81 that would restrict routine public inspection of an Amateur Radio licensee's address history. The proposal, released March 31, calls for removing from public view in the Universal Licensing System (ULS) Amateur Radio licensee address information not associated with a current license or pending application.

"We believe that these steps will enhance Amateur Radio operators' privacy without undermining the public interest in knowing who is authorized to operate on amateur spectrum," the FCC said in the NPRM.

The proposed change would not affect public access to a licensee's current address information, which would remain available.

"We believe that publicly available licensee address information facilitates the Amateur Radio community's self-regulation and maintains the distinction between the Amateur Service and other radio services," the FCC said in the NPRM. The Wireless Bureau also solicited public input on whether it should extend the same approach to individual licensees in any other radio services.

The FCC said that it has, in recent years, received occasional requests from amateur licensees to remove their address information from public access in the ULS. "These requests are not granted, because Section 0.453(d)(4) requires that the information be available for public inspection in ULS," the Commission explained.

The FCC noted in the NPRM that the ULS includes not only current authorizations and pending applications, but expired, canceled, or terminated licenses; archived versions of active licenses, and applications that have not been processed. "Information available on ULS includes a licensee's name and address, and technical information about the authorization requested or granted," the NPRM explained.

The FCC pointed out that an Amateur Radio licensee is not required to provide a home address, just a valid mailing address. "Those who are concerned about their residential address appearing in ULS may use, among other alternatives, a post office box, a business address, the address of another

property the licensee owns, or the address of a friend or relative as their mailing address," the NPRM suggested.

The FCC acknowledged that for a licensee whose residential address may already appear in ULS, this approach "offers only a partial solution," the NPRM said, "because replacing the address on a current license does not remove the old address information from archived licenses and processed applications, and it remains publicly viewable even if the license expires or is canceled or otherwise terminated."

Comments are due in the proceeding by June 16, with reply comments due on July 16.

**AMATEUR RADIO TECH NOTES****LOW RESISTANCE MEASUREMENTS**

by Gary Barnes-KI6HIG

During ARRL's Field Day one year, one of the triband antennas had varying SWR indication and someone noted sparks emitting from the antenna at night. We wanted to correct any problems with this antenna before putting it into service the following annual field day event. We needed to check the connections between each section of each antenna element. The center aluminum tubing has the largest diameter. Each additional section slid inside the previous section. The two sections are mechanically and electrically connected. We measured the resistance between of each connection between sections.

To measure the resistance between antenna elements or your ground wire, you will need a four-wire low resistance ohmmeter. This type of ohmmeter is used to measure resistance values, usually below 10 ohms. A known test current is supplied to the unknown resistance, and then the voltage drop across the unknown resistance is measured. The ohmmeter will then display the resistance in ohms between the two potential leads.

Many manufacturers sell low resistance ohmmeters, but most are expensive. Some of these low resistance ohmmeters cost over \$5,000. These ohmmeters first measure the test current and then measure the voltage drop with the potential leads. Then they display the resistance value in ohms.

Low resistance measurements can be made without an expensive low resistance ohmmeter. You need a voltmeter with a millivolt range with 0.1 mV resolution, and a constant current source. A voltage supply such as a 12-volt battery or 12-volt power supply and a fixed 12-ohm, 50-watt power

**Tech Notes cont.**

resistor can be used as the constant current supply. The actual resistance value of the 12-ohm resistor should be selected to provide 1 ampere of test current. When the test current is changed, the resistance value may also change. If the resistance was first checked with a test current of 1 ampere and then the test current was changed to 0.1 ampere, you may notice a change in resistance. This change in resistance indication may be due to corrosion.

I needed to measure resistance of the connection between each section of a yagi antenna's elements. I used a laboratory power supply and a digital multimeter. I set the power supply to 1 ampere of current, and I connected the test leads to tips of the antenna element. I used the digital multimeter to measure the voltage drop across each connection of the antenna element.

With the test current of 1 ampere, each millivolt will equal 1 milliohm. The first element I measured, I found a section junction that had 18 milliohms of resistance. The connection was taken apart and cleaned. After reassembling of the antenna element, the connection was re-measured and it had resistance less than 1 milliohm. All of the other elements were checked the same way, and those with high resistance were repaired. (See Figure 1 for setup.) The resistance value in between the two potential test points.

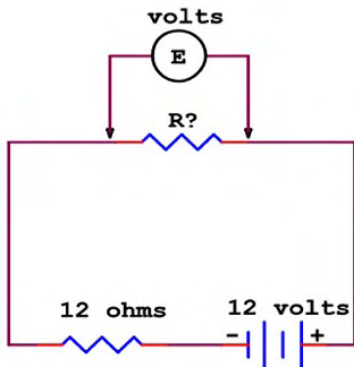


Figure 1

The test current leads should have a low voltage drop and be flexible, such as welding cable. I use AWG #10 stranded wire that is about 35 feet long each with Mueller BU-25C clips at one end to connect to the antenna element ends. The potential leads are AWG #18 test lead also about 35 feet long.

When making resistance measurements, you may notice the resistance value with the test current in one direction is not the same as the reverse direction. This will normally be less than 2% difference. Also, when making low resistance measurement, the test current may affect the resistance value. If the test current is increased to 10 Amperes, the resistance measurement will be one tenth the value of the voltage indication. If the test current is decreased to 0.1 Amperes, then the resistance values will be 10 times the voltage indication.

The voltage indication should be less than 0.1 volts (100 millivolts) for the best accuracy. If the voltage indication is greater than 0.1 volts, then the test current should be reduced. This is done by replacing the 12-ohm series resistor with a 120-ohm, 5-watt series resistor. The new test current is now 0.1 Amperes. Multiply the voltage readings by 10 to get the resistance reading.

To increase the accuracy of the resistance reading, an Ammeter is installed into the test circuit. (See Figure 2 for setup).

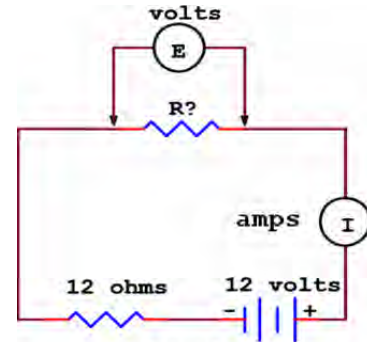


Figure 2

Both the voltmeter and the ammeter indications are recorded, and then the resistance is calculated. The ammeter can be a digital multimeter. Some digital multimeters can display two functions at the same time, such as DC voltage and DC current, but these meters can be expensive. Two separate multimeters can be used.

The use of a different supply voltage will require you to change the series resistor to supply the correct test current. As an example, if you want to use a 13.8-volt power supply, than you should change the series resistance to 13.8 ohms for a test current of 1-Ampere. This might be done by placing a 2-ohm, 5-watt resistor in series with the 12-ohm, 50-watt resistor and paralleling the 14-ohm resistance with a 1000-ohm, Y2-watt resistor yielding 13.8 ohms.

A double pole double throw switch can be used to reverse the test current polarity. A DPDT center off switch would provide a switch position without any output test current.

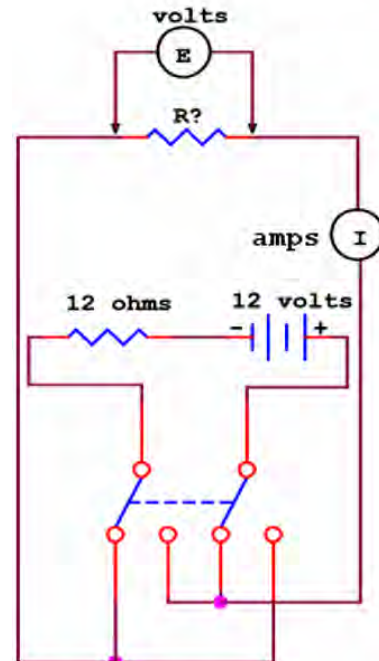


Figure 3



**Tech Notes cont.**

Divide the potential voltage by the test current on both test current polarities. Then add both resistances together and divide by 2. This is the average the unknown's resistance.

To measure your ground lead resistance from the ground rod to the radio, connect ohmmeter's current lead to the ground rod several inches below the ground wire connection. Connect the other ohmmeter's current lead to the radio chassis. Connect the ohmmeter's potential lead to the ground rod between the current lead and the ground wire connection. Connect the ohmmeter's other potential lead to the radio's ground terminal.

The measured resistance of the ground lead will depend upon the size of the wire and length. The approximate resistance can be determined by using a wire the wire table in the handbook. For example #6 AWG has about 392 micro-ohms per foot. If the wire length is 10 feet, and then the wire resistance will be 3.92 milliohms. If the measured resistance is much greater, then the problem should be corrected. The problem will normally be at one of the wire connections.

Reasonably accurate low resistance measurements can be made with a digital multimeter with a millivolt range with 0.1 millivolt resolution, a 12-volt supply and a 12-ohm resistor. The accuracy can be increased by adding an ammeter to monitor the test current, and the accuracy can be improved even more by adding a current reversing switch. All of these can be a part of your GO kit.

**AMATEUR RADIO HISTORY*****THE HISTORY OF EIMAC***

AS TOLD BY JACK MCCULLOUGH-W6CHE  
CO-FOUNDER OF EIMAC — PART 5

*Editor's Note: The following is Part 5 of the story of EIMAC that was presented as a slide show at a ham club in 1974. It was contributed by Linda DiLorenzo of CPI/Eimac Division with permission to reprint it in the CARC Newsletter*

**5. The War Period**

Actually we got a running start in our war activity. Nearly eighteen months before Pearl Harbor we had received our first substantial order for tubes. By the time of December 7th, 1941, we had greatly enlarged our work force as well as our facilities in San Bruno. Pearl Harbor came as a great shock to us. If the Japanese were successful in bombing the Pacific Coast, our plant in San Bruno near the San Francisco Airport would be in the center of activities.

We must have been very naive. By the evening of December 7th, we had gathered and distributed around the plant a number of our employees' personal rifles and shotguns. What we intended to do with them was never spelled out. Both ourselves and the Government were greatly concerned about our plant's vulnerability. It was necessary to build a new plant away from the Coast. We considered Spokane, Las Vegas, Reno, Salt Lake and Denver. We wanted to be in reasonable travel distance of our San Bruno facility. Each site had pluses and minuses. Reno had no supply of gases, such as oxygen, hydrogen and nitrogen; Denver was almost another day away by train (nearly as long by the then existing planes); Salt Lake turned out to be a natural with everything we needed.

The Defense Plant Corporation was going to put this plant up for us. But nobody told the DPC that there was a war on! Bill and I acted on our own. We acquired the land in Salt Lake in early 1942 and under full draft, built and occupied the plant in June, 1942. The DPC was just getting around to okaying our starting construction. We had people who spent the next several years getting everything unsnarled with the DPC and get payment for the plant. A point about the DPC is illustrative.

At the final accounting, the DPC accountant said everything checked out but that there were three empty cement sacks missing. The conversation ended quite abruptly when Bill said, "I stole them!" In many ways we would have been much better off if we never heard of the DPC.

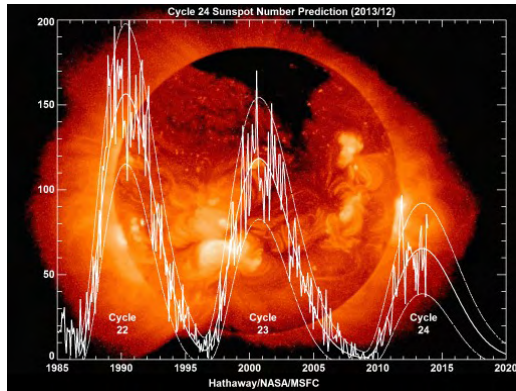
Our little group of about twenty people in early 1940 was growing at a fantastic rate. By 1943 there were 3,800 people working in our two plants. We had nearly an even split between Salt Lake and San Bruno. Bill with a small group from San Bruno, moved to Salt Lake and lived there for several years. I stayed behind and operated the San Bruno plant. This period was one of high production, reaching a rate of 125,000 units per month. There were major material shortages particularly of tantalum and tungsten. We were buying these materials by the ton instead of a few pounds at a time. We were impatient with the major suppliers of tungsten for their slowness in increasing their production. To listen to them, it was going to take several years before they would have the facilities to do our job. Bill and Gordon Howes W6CEO, whom I am sure you know, scrounged around the Salt Lake City area and were able to come up with enough equipment such as old transformers, hydraulic jacks to make a press, etc., to set up a tungsten facility. The plant worked and we were able to supplement our tungsten supply by quite a few hundred pounds per month.

Tantalum was a different story. Eimac, and H&K before it, had developed their reputations on tubes that could "take it." Tantalum was the material that made this reputation possible. There was something we had overlooked. Tantalum was a great getter when it was red hot; a lousy getter when it was cold. Here was a paradox. Those customers that "Beat" their tubes thought Eimac tubes were the greatest, but those customers that ran their tubes conservatively, got very poor life. In the search for long life, we finally eliminated all tantalum in our tubes. We substituted molybdenum, coated at first with pure zirconium powder. Later we developed a more rugged coating called Pyrovac that was the best of both worlds. We still use Pyrovac in our tubes.

*Part 6 next month*



### SOLAR UPDATE



#### THE K7RA SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: Solar activity perked up this week, with average daily sunspot numbers rising from 65.6 in the previous 7 days to 120.9 in the April 16-22 period. Average daily solar flux increased from 132.5 to 150.4 over the forecast period. The day with the greatest geomagnetic activity was April 16, when the mid-latitude A index hit 28, the planetary A index was 43, and the high-latitude college A index in Alaska was 57. These are high numbers!

Predicted solar flux for the near term is 150 and 145 on April 23-24, 140 on April 25-30, 135 on May 1, 130 on May 2-5, 135 and 140 on May 6-7, 145 on May 8-9, 140 on May 10, 135 on May 11-16, and 150 on May 17-18.

Predicted planetary A index is 15, 8, 12, and 5 on April 23-26, 8 on April 27-30, 12 on May 1, 8 on May 2, 5 on May 3-5, 8 on May 6-8, 5 on May 9-11, then 8, 15, 20, 12, 8, and 12 on May 12-17, and 5 on May 18-19.

You can download and examine my archive of these forecasts, updated daily, for flux values and Ap index (click the "Download this File" button; files are Excel spreadsheets).

This weekly "Solar Update" in The ARRL Letter is a preview of the "Propagation Bulletin" issued each Friday. The latest bulletin and an archive of past propagation bulletins is on the ARRL website.

### NAME THAT RIG!



Each month I'll try to post a different radio for you to name.  
 Best of Luck! Winners get "Bragging Rights"  
 Last month's rig: Collins 75A-1

### COMING EVENTS

**CERT Training – North County Fire Authority**  
 See <http://www.northcountyfire.org> for more info.

**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: June 6<sup>th</sup> 2015  
 Where: Fremont Fire Administration Training Center  
 3300 Capitol Avenue Fremont, CA 94536  
 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  
 E-mail: [mojoteri@comcast.net](mailto:mojoteri@comcast.net)  
 Phone: (408) 507-4698 (Morris Jones- AD6ZH)  
 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  
 E-mail: [wb6imx@worldnet.att.net](mailto:wb6imx@worldnet.att.net)  
 Web Page: <http://www.amateur-radio.org>

Sat	May 9 <sup>th</sup>	Sunnyvale, CA	10:30	AM
Sat	May 23 <sup>rd</sup>	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 14th	2015 Agenda Planning, LM Fire Station
Feb 11th	2015 Agenda Finalizing, LM Fire Station
Mar 11th	Pizza Night, Round Table LM Center, No Host
Apr 8th	Meeting Night, LM Fire Station
Apr 23rd	Silver Dragon CERT Exercise, Brisbane
May 13th	Meeting Night, LM Fire Station
Jun 10th	Field Day Planning Mtg, LM Fire Station
Jun 27-28	CARC Field Day, Sweeney Ridge
Jul 8th	Field Day Wrap-Up Mtg, LM Fire Station
Jul 18th	Devils Slide Ride, PARCA Bike Event
Aug 12th	Meeting Night, LM Fire Station
Sept 9th	Meeting Night, LM Fire Station
Sept 26-27	Pacific Coast Fog Fest, Pacifica
Oct 14th	2016 Officer Nominations, LM Fire Station
Nov 7th	Election Dinner, Nick's Restaurant, Pacifica
Dec 9th	Holiday Potluck Dinner Meeting, LM Fire

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



[www.smcready.org](http://www.smcready.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 21:00 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**

*56 Years*



*of Service*

*46 Years*



*Affiliation*

## COASTSIDE NETS

### Monday

07:30 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

9:00 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

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Walt Long	KG6EDY	(650) 467-6990	kg6edy@arrl.net
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	Cheryl Crofts	KJ6RNK	-	cherylcrofts@aol.com
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
Control Operator	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
Emergency Services	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Field Day	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Membership	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Newsletter Editor	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
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Trustee of Club Call	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Website	Scott Mercer	KI6SEJ	-	ki6sej@arrl.net



**MEETING  
NOTICE:**

**MAY 13<sup>TH</sup>  
LINDA MAR FIRE STATION  
PACIFICA, CA  
7:30PM**

**PIE AND ICE CREAM  
SOCIAL NIGHT**

## COASTSIDE COMMUNICATOR

DAVID RINCK, EDITOR  
P.O. BOX 1106  
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FIRST CLASS

TO:

