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# THE COASTSIDE COMMUNICATOR

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Vol. 42, No. 7

JULY 2010

WWW.COASTSIDEARC.ORG

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## PRESIDENT'S COLUMN

Happy 4<sup>th</sup> of July! Field Day was fun (and cold, and hot, and foggy .... mostly Fun!) and everyone seemed to have had a great time. If you could not make it this year you should plan on attending next year.

Recently I was looking at the mailing list for the newsletter and noticed that there is a group of people who have moved out of the area but still receive our club newsletter. I would like to extend my regards to you and I am glad to know that you are still keeping up with the club events.

Many who were former club members now reside in other parts of the county and cannot check-in or hear our local activity. Just for fun I thought I would see if WA6TOW was available on the internet.

To my surprise it was available. There is a website called [www.radioreference.com](http://www.radioreference.com) that allows you to listen to scanners stationed all around the country. I found that someone has a scanner set to the club repeater and it is being streamed live to the internet (Along with four other repeaters).

**KC6ULT** 146.865-114.8 (San Mateo Co Sheriff's ASC/SCU - Net on Tuesdays at 8pm)

**K6MPN** 444.500+100.0, 146.450s114.8 (SCARES - Net on Mondays 7:30pm)

**N6ZX** 145.370-107.2, 440.450+107.2, 53.640-107.2 (Kings Mtn. ARC)

**WA6ASD** 147.285+114.8, 147.555s (HMB ARC - Net on Wednesdays at 8pm)

**WA6TOW** 146.925-114.8 (Coastside ARC - Net on Wednesdays at 9:00pm)

If you live out of range of WA6TOW and would like to hear the voices of current club members you can "tune" your computer to:

<http://www.radioreference.com/apps/audio/?feedId=1474> to hear the WA6TOW repeater (As well as the other four repeaters the scanner is tuned to). If you listen on Wednesday nights at 2100 PT you should be able to catch the weekly club check-in.

I have no idea who is doing the steaming or how long it will be available. As long as it is there you can listen to the club repeater via the internet as if you were still local.

...73 Casey-N6TZE

## JUNE MINUTES

The June 2010 meeting was called to order at 7:36 p.m. by our club president, Casey Villyard-N6TZE, at the Linda Mar Fire Station in Pacifica. Self-introduction by the members and guests followed.

A motion was made to approve the amended minutes as published in the June newsletter by Frank Erbacher-N6FG, with a second by Ed Freeman-KD6TWK and was passed by the membership

### *TREASURER'S REPORT*

Frank Erbacher-N6FG provided the following report of the club's financials: \$1,031 in the general fund; \$3,871 in the repeater fund; \$440 in the digipeater fund and \$4,340 in the EOC fund. These individual fund totals add up to a club total of \$9,682.

Treasurer also paid \$35 for on going publication and the mailing of our newsletter. \$4.50 was approved for club meeting cookies which was then transferred as a repeater donation

### MEMBERSHIP

Total club membership stands at 83 with 78 licensed members, 64 of whom are ARRL members. We have a total of 1,383 years of radio expertise.

### COMMUNICATIONS

Newsletters were received from the: SFARC, ("Nuts and Volts"), SCCARA ("SCCARA-GRAM"). Also received was the USB bank account statement.

### *COMMITTEE REPORTS*

#### REPEATER

Operational

#### AUTOPATCH

Operational

#### DIGIPEATER

Operational

#### EMERGENCY SERVICES

The CARC Wednesday night Net will be done from the EOC once a month to check the function of EOC equipment.

**FIELD DAY**

Frank-N6FG has a list of operators, operating times and set-up/takedown help. Please schedule your time with Frank.

A motion was made by Casey Villyard-N6TZE and second by Frank Erbacher-N6FG to pay \$230 for the "Blue Room" for Field Day. Motion was passed by the membership.

A motion was made by Frank Erbacher-N6FG and second by David Rinck-K6DMR to put a \$70 limit on the Field Day pizza purchase. Motion was passed by the membership.

A motion was made by Frank Erbacher-N6FG and second by Casey Villyard-N6TZE for an allowance of \$40 for Field Day gasoline. Motion was passed by the membership.

A Motion was made by David Rinck-K6DMR and second by Ed Freeman-KD6TWK to allow \$150 dollars for FD van rental.

**FOG FEST**

Frank-N6FG needs more volunteers.

**NEWSLETTER**

Published

**WEBSITE**

Up and running.

**OLD BUSINESS**

1. Frank needs the list of members wishing attend the carrier Hornet tour. August 21<sup>st</sup> or 28<sup>th</sup> was suggested. The specifics are to be worked out with Frank-N6FG. There may be a HRO side trip too?
2. D-Star lecture set for Sept. 8<sup>th</sup>.
3. October 13<sup>th</sup> meeting is nominations for officers and Home Brew Night.

**NEW BUSINESS**

Frank discussed the article on smart meters. To see the entire article go to: <http://archive.k6ya.org/relay/Relay1004.pdf>

Long time club member Roger Spindler-WA6AFT was awarded a "Lifetime Membership" award for all his years of service to the club in keeping it together and going strong. Speeches from Casey-N6TZF, Frank-N6FG, and Dave-K6DMR were made.

A motion was made to adjourn the meeting by Joseph Pistritto-N3CKF and a second by Frank Erbacher-N6FG. The motion was passed and the meeting was adjourned at 8:29 pm.

**PRESENT AT THE MEETING**

The following Life Members were present:

Roger Spindler-WA6AFT

The following guests of the club were present:

Bruce Kungkov-KJ6DYW, Paul Gurries-KJ6GMB, Ross Burton-W1RAB

Members present included: Tom Bonomo-K6AD, David Rinck-K6DMR, Ralph Bailey-K6DLZ, Ed Freeman-KD6TWK, Quentae Batiste-KF6OLC, Jane Bailey-KF6PGF, Scott Mercer-KI6SEJ, Justyn Zachariou-KI6USU, Nikki Villyard-KI6VRA, Reeba Lynn-KJ6AKK, Joseph Pistritto-N3CKF, Frank Erbacher-N6FG, George Fenisey-N6GYR, Casey Villyard-N6TZE, Joshua Villyard-N6TZF

Reported by George Fenisey-N6GYR Secretary

**NEWS****ROGER-WA6AFT RECEIVES LIFETIME MEMBERSHIP AWARD**

Roger Spindler-WA6AFT received a Lifetime Membership Award at the June meeting from Club President Casey Villyard-N6TZE. The award acknowledged his many contributions to the Coastside Amateur Club, and Roger's many years of service. In the past 41 years, he has filled all the officer and staff positions numerous times. His continuing efforts have kept the club alive and well, and have also provided us with his expertise, equipment, the repeater and repeater site, and so much more. Congratulations and thank you Roger!



Roger Spindler-WA6AFT

**2010 FIELD DAY CHAIRMAN REPORT**

Well as always, CARC had another successful Portola Discovery Site Field Day. It wasn't too cold, or too wet, or...well; it actually was almost too hot at 85 degrees during take down! From late evening Saturday on it was clear and extremely pleasant as far as Sweeny Ridge goes.

It appeared that all who attended had a good time in either helping or operating up there. I believe I heard that Henry Lancelle-KJ6HSO, had his first HF operating and Field Day operating experience. We had a great CW gang there, Jon-N6SJF and Bernie-N6RUX, gave us over 100 contacts at double the points. There was the Joshua-N6TZF, with his 2 meter and 70 cm operation on SSB and FM. Scott-KI6SEJ and Joe-N3CKF, had the two HF station setups again, the logging



## FIELD DAY REPORT CONT.

software and computers, and an extra rental van for the club operation. Since the old sad sack Field Day was so missed, Joshua and President Casey-N6TZE, again had to set up a tent for operating.

The operation consisted of two HF stations working 80, 40, 20 and 15 meters using a 20 meter beam and 40/15 and 80 meter dipoles. The 15 meter beam was not erected again because there were not enough signups for take down and 15 was expected to do poorly this year. The VHF/UHF station operated with a ten element beam. Joe-N3CKF, will again be reporting on our score to ARRL and giving us details. His logging set up I believe showed about 500 contacts when all was shut down. We did have at least one station working through the night.

A Sheriff's Office Emergency Communications truck did a training exercise while visiting at our site. We also had over 50 visitors take the time to sign in at our site. During setup and early operating, Wayne Hess from Pacifica Community Television 26 took both photos and video for a cable program on CERT and Amateur Radio in emergencies.

Attending were: Roger-WA6AFT, Casey-N6TZE, Joshua-N6TZF, Dan-N6ZEN, Dave-K6DMR, Mike-AA6XL, Alessa-KI6CLO and friend Traci, Jon-N6SJF, Henry-KJ6HSO, Bernie-N6RUX (former Club Member), Bob-W6LOG, Joe-N3CKF, Scott-KI6SEJ, Bill-N6BCT, Allan-KI6QWY, Ed-KD6TWK, Quentae-KF6OLC, Al-K6ADM, George-N6GYR, Chris-W6KNS (Non-Club Member) and myself, Frank-N6FG, who is hoping I didn't miss anyone



*Securing the Gin Pole*



*Bill-N6BCT*



*Field Day 2010 Setup Crew*



*Josh-N6TZF and Joe-N3CKF*



Scott- KI6SEJ



roGer-WA6AFT

Photos courtesy of George-N6GYR

## ARRL UPDATE

### THE DOCTOR IS IN:

#### D-STAR, ANTENNAS AND AMPLIFIERS

Tom Copley, K4YAZ, finds that he needs to use more power to consistently reach my local D-STAR repeaters in the Tampa Bay area. I live in a condo and my VHF/UHF antenna is on a second floor porch. Moving it higher or into the clear is out of the question, due to my condo association. I am using a dual band transceiver with 50 W output on high power. This is not enough to consistently reach the local repeaters.

Since I am mainly using the 70 cm band, I have purchased an amplifier that has an output of 100 W with 30 W drive on 70 cm. The amplifier also has a useful receive preamp. To obtain the full 100 W output from the linear, one must input 30 W. My 50 W radio would be over the input rating of my linear, and the approximately 15 W output from the radio on medium power will not drive the linear to the full 100 W output. Is

there an easy solution to this issue, or do I have to get a different amplifier?

*Here's what the Doctor had to say:*

If you are right on the edge of the coverage area, the 3 dB increase in power may make the difference. Also consider any other losses, such as in the coax run to your antenna -- at 70 cm, coax loss can be a big factor, and if the length is more than a few feet, better coax may reduce loss by almost as much as the amplifier gain -- get every decibel you can.

Your amplifier drive problem turns out to have an incredibly simple solution. If you have 2.2 dB loss between the radio and the amplifier, your 50 W radio output will be just 30 W at the amplifier. This only makes sense because of the preamp in the amplifier; otherwise, the loss would also reduce receiver sensitivity. With a preamp that has a reasonable gain, the noise figure and thus signal to noise ratio is determined largely by the noise figure of the preamp. On HF, making a reasonably accurate attenuator using power resistors can be easy. At UHF, component, lead and wiring inductance can make it a very difficult job -- but all is not lost!

Now for the really simple part. You need coax cable between the radio and amplifier anyway. If you use coax with a loss of 2.2 dB, you're done. On 440 MHz, it takes just 16 feet of Belden 8259 RG-58 coax to get the loss -- hopefully emphasizing my earlier point! If you select a different cable, make sure you have the cable attenuation specs available. The extra coax can be neatly coiled out of the way, or better yet, move the amplifier closer to the antenna to reduce the coax length and attenuation between the amplifier and antenna. Note that this all assumes that the amplifier input is a good match to 50 ohms; if not, the coax loss will be higher. If you have a wattmeter, it will be a good idea to confirm all the power levels when you're done -- and life being what it is -- plan to do a little trimming.



## AMATEUR RADIO HISTORY

### THE WAYBACK MACHINE

BY BILL CONTINELLI - W2XOY

The Radio Act of 1912 was hopelessly obsolete by the early 1920's. Conceived in an era of long and medium wave spark telegraphy, the Act was totally inadequate when it came to broadcasting and the shortwaves. The Department of Commerce gamely tried to stretch the Act to meet new requirements; the 1922 and 1924 "regulations" that banned broadcasting by amateurs, set up the broadcast band, and carved out the 160, 80, 40, 20, and 5 meter bands, were really nothing more than "gentlemen's agreements", valid as long as they weren't challenged.

For a time, they worked. Amateurs enthusiastically settled in on their new bands and began working the world, while the number of broadcasters in the new 550 to 1500 kc region jumped from 30 to almost 600 in just 3 years. Technical advances had not kept up with this growth, however, and there were problems. Crystal control of transmitters was still a couple of years away, and the unstable broadcasting stations drifted from their assigned frequencies, sometimes to the point of interfering with adjacent channels. Even stations off frequency by 400-600 cycles could cause ear splitting heterodynes. Most receivers of the 1920's were either



**WAYBACK MACHINE CONT.**

regenerative or TRF (Tuned Radio Frequency), good on sensitivity, poor on selectivity. As a result, the 1920's broadcast band was saturated with only 600 stations. (Compare that to today's medium wave where tight frequency control of 20 hz, coupled with directional antennas and selective superheterodyne receivers, allows over 4000 stations to occupy the AM broadcast band without undue interference).

The Department of Commerce, therefore, issued regulations mandating such solutions as time sharing (where two or more stations occupied the same frequency at different times of the day), and daytime only operations. Stations were constantly moved to another frequency, or told to decrease power, in order to minimize interference. The Department also went after stations whose transmitters drifted onto adjacent channels. An interesting example of this was the Los Angeles station of "Sister" Aimee Semple McPherson, an evangelist who was the leader of the International Church of the Foursquare Gospel. Her station was notorious for drifting up and down the broadcast band. When the Federal Radio Inspectors tried to keep her on frequency, she imperiously wrote to Secretary Hoover, demanding that his "Minions of Satan" stay away from her transmitter. The Almighty would choose her Wavelength, she wrote, not the Department of Commerce.

Many of the stations that had been moved, told to reduce power, or share their frequency, did what any patriotic American would do--hire a lawyer. Once the legal bloodhounds began digging, certain things came to light.

Article I, Section 8, of the Constitution allows the Federal Government to regulate INTERSTATE commerce. Furthermore, it is an accepted fact that a Federal Agency cannot issue any regulations, unless it was given the power to do so by Congress. Thus, the lawyers for the disgruntled stations challenged the Secretary's "regulations" on two fronts, first, that the Radio Act of 1912 gave the Department no authority to regulate broadcasting stations, and second, that since many stations could not be heard across state lines, there was no "interstate commerce" and therefore no Federal jurisdiction. (This is the argument used by "Radio Free Berkley" and other low power pirate stations).

The Day of Reckoning arrived in 1926 when an Illinois District Court held that there was no Federal Law to permit the Secretary of Commerce to assign broadcasting licenses or frequencies. The Attorney-General admitted that the Federal Government had no control over radio, except what was specifically authorized in the 1912 Act.

Pandemonium broke out. Stations, liberated from all Federal control, upped their power, jumped frequency, and/or began full time operations on daytime or time shared frequencies. Smaller stations were jammed off the air. Unlicensed transmitters appeared out of nowhere, dropped down on any convenient (or inconvenient) frequency, and began broadcasting. Anarchy was King.

Amateurs, of course, could have legally joined in this RF Orgy. There was nothing preventing them from going back to broadcasting, moving to new frequencies, exceeding the 1 kw limit, or anything else they desired. To their credit, they did nothing of the sort. One reason was the immense respect they

felt for Secretary Hoover, a man who over and over publicly supported amateur radio in any way possible. They would abide by their "gentleman's agreement" with him. The other reason was common sense. They knew that Congress would soon rectify the problem by passing appropriate legislation. The broadcasters were "big boys" with a lot of money, powerful corporate backers, and 6 million listeners; they could afford to violate the spirit of the law and get away with it. Amateurs did not have this luxury. They realized that any violations of the 1922 and 1924 agreements, even if they were legally unenforceable, would cost them dearly in political support. So, while the 550 to 1500 kc segment was a free for all, the amateur bands were disciplined and orderly, as hams mastered the art of crystal control, and improved their operating skills.

Incidentally, one area in which those skills were honed was expeditions. From the Arctic to the Antarctic, from MacMillan to Byrd, amateurs provided the necessary communications of almost every major explorer. Also, in the area of emergencies, amateurs provided communications during snow and ice storms, hurricanes, earthquakes, and floods.

The Federal Government quickly moved to end the chaotic mess on the broadcast band. On February 23, 1927, the Radio Act of 1927 was approved. This law defined "amateur radio" for the first time in a Federal statute, and created the Federal Radio Commission, which was given the power to classify and regulate all aspects of all radio stations for "the public interest, convenience or necessity". Criminal penalties were written into the 1927 Act for violations of the Act, or any regulation thereunder.

The Commission immediately went to work. "Minions of Satan" got Sister Aimee's station back on frequency, and shut down the transmitter of KFKB, the station of "Dr." John Brinkley, graduate of the Eclectic Medical School and proponent of prostate operations and (get this) goat gland transplants to cure all medical ills. Patients by the thousands listened to KFKB's broadcasts, and flocked to Kansas to have the operations, picking out their goat from the pens next to the hospital as they went in. (Do you think I could make this up?). Unfortunately, after the Commission shut him down, "Dr." Brinkley went to Mexico by the Texas border, set up a 150,000 watt station, and continued his fraudulent operations.

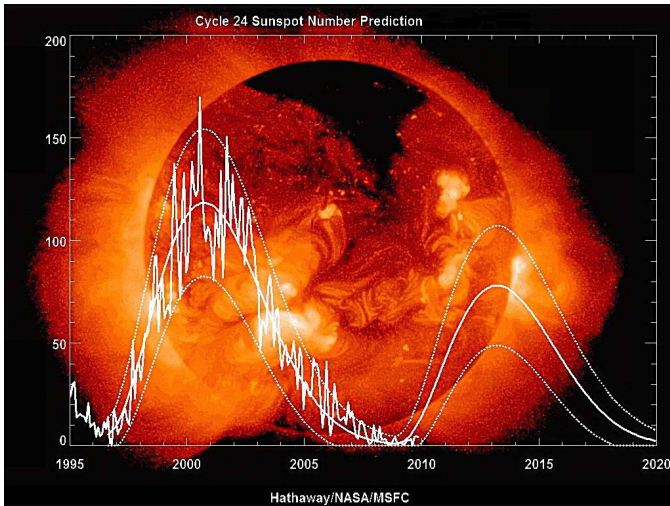
In regards to amateur radio, the Commission, in effect, kept the status quo for the 15,000 hams. All agreements and regulations enacted by the Department of Commerce were maintained and incorporated into current regulations. About the only change that hams noticed was the addition of a prefix on their calls, thus 1AW became W1AW, 1JS became W1JS.

However, the existence of a sympathetic Commission and friendly regulations wasn't enough. Radio was truly international, and, as a result, an International Radiotelegraph Conference was scheduled in Washington, D.C., for October 4, 1927. Word was filtering out of Europe and the Far East that many governments were anti amateur radio.

How would our hobby fare at this conference? Stay with us next month as the Wayback Machine shows us the answers.

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the Schenectady Museum Amateur Radio Club.*

## SOLAR UPDATE



### THE K7RA SOLAR UPDATE

Tad "Like a vast river, stretching in the Sun" Cook, K7RA, reports: The conditions were not great for ARRL Field Day last weekend, but some nice sporadic-E openings on 6 and 10 meters livened things up. Geomagnetic conditions were quite active over the past week, which increased absorption, with the higher latitudes more affected than mid-latitudes. The average daily sunspot numbers over the past three weeks were 26.9, 16.1 and 11.7, so quiet conditions continue with very little solar activity. Look for more information on the ARRL Web site. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page. This week's "Tad Cookism" brought to you by William Wordsworth's *Growth of a Poet's Mind: Book Fourth, Summer Vacation*.



## TRADING POST

QST magazines from 2002-2006 looking for a new home.  
Free! Email: [k6dmr@arrl.net](mailto:k6dmr@arrl.net)



## COMING EVENTS

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

**CERT Training – San Mateo County**  
See <http://www.smcready.org/Community/Training.html> for more info.

**Livermore Swap Meet** – 1<sup>st</sup> Sunday of each month at Robertson Park in Livermore, CA. 7:00AM to 11:30AM  
Talk-in: AD6X 147.120 (+) PL 100.

For information, Ian Parker-W6TCP

E-mail: [swap@livermoreark.org](mailto:swap@livermoreark.org)

Web Page: <http://www.livermoreark.org/swap/swap.html>

**QCWA lunch at Harry's Hofbrau** - 3<sup>rd</sup> Wednesday of every month, 1909 El Camino Real in 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)

**AM-Tech Day** – Monthly – see web page for dates

Sponsored by the Foothills Amateur Radio Society (FARS)

and hosted by the Stanford Linear Accelerator Center

(SLAC), the FARS Amateur Radio–Technology Day will be

held at SLAC's Panofsky Auditorium, cafeteria, and adjoining

areas. Am-Tech Day is a monthly venue for local amateur

radio operators and other technology innovators to practice

and demonstrate their communication skills and emergency-

preparedness equipment.

2575 Sand Hill Rd. Menlo Park, CA

Web Page: <http://www.fars.k6ya.org/amtechday>

## LICENSE EXAMS

**AERO-Auxiliary Emergency Radio Organization**

Contact: Dave Gomberg

Phone: (415) 731-7793

Email: [dave1@wcf.com](mailto:dave1@wcf.com)

Web Page: <http://www.wcf.com/aero/exams/>

When: Sunday October 24<sup>th</sup>

Location: Jewish Community Center

3200 California Street at Presidio Avenue

San Francisco CA

**Bay Area Educational Amateur Radio Society**

Offering a one day study session for Technician or General

theory, followed by testing. Fee: \$30.00

When: Sat. September 25<sup>th</sup>

Where: Oracle Conference Center 350 Oracle Parkway

Redwood City, CA 94065

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: (preferred): [mojoteri@attbi.com](mailto:mojoteri@attbi.com)

Phone: (408) 507-4698 (Morris Jones, AD6ZH)

Web Page: <http://pdarrl.org/vec/vecscv/index.html>

**Sunnyvale VEC Exam Sessions**

Fee: \$15 Cash  
 Walk-ins only, No pre-registration  
 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	July 10 <sup>th</sup>	Sunnyvale, CA	10:30	AM
Sat	July 17 <sup>th</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 13 <sup>th</sup>	2010 Agenda Planning, LM Fire Station
Feb 10 <sup>th</sup>	2010 Agenda Finalizing, LM Fire Station
Mar 10 <sup>th</sup>	LM Round Table Pizza
Apr 14 <sup>th</sup>	Flea Market Night - LM Fire St
May 1 <sup>st</sup>	SF-88 Nike Missile Site Tour 12:30pm
May 12 <sup>th</sup>	Linda Mar Fire Station
Jun 9 <sup>th</sup>	Field Day Planning Mtg, LM Fire Station
Jun 26-27	CARC Field Day, Sweeney Ridge
Jul 14 <sup>th</sup>	Field Day Wrap-Up Mtg, LM Fire Station
Aug 11 <sup>th</sup>	Back to School Nite w/ KE6MNJ - LM Fire St.
Sep 8 <sup>th</sup>	D-Star Presentation - Linda Mar Fire Station
Sep 11 <sup>th</sup>	T-Hunt and Picnic, Frontierland Park-Pacifica
Sep 25-26	Pacific Coast Fog Fest, Pacifica
Oct 13 <sup>th</sup>	2011 Officer Nom., Home Brew Nite LM Fire
Nov 13 <sup>th</sup>	Election Dinner, Nick's Restaurant
Dec 8 <sup>th</sup>	Holiday Potluck Dinner Meeting, LM Fire

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



[www.smcready.org](http://www.smcready.org)

**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; and a Packet digipeater, WA6TOW-1. 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.

**Digipeater: 145.050 MHz, Packet Node: PAC**

**CARC VHF Simplex: 146.490 MHz**

**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 WA6AFT repeater on 440.725 MHz may be used as an alternate if the WA6TOW 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 editors.

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

*51 Years*



*of Service*

*41 Years*



*Affiliation*

# COASTSIDE NETS AND INFORMATION

## Tuesday

8:00 PM on WA6TOW 146.925 MHz, PL 114.8 and KC6ULT 146.865 MHz, PL114.8 simultaneously, but not linked. San Mateo County Area EOC Net.  
Contact: Peter Liljequist-AA6PL [aa6pl@arrl.net](mailto:aa6pl@arrl.net)

## Wednesday

9:00 PM on WA6TOW 146.925 MHz, PL 114.8  
Coastside Amateur Radio Club  
Wednesday night Check-in.  
Contact: Casey-N6TZE

## 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.  
Contact: Bill Lillie-N6BCT [n6bct@arrl.net](mailto:n6bct@arrl.net)  
(650) 726-3630

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Casey Villyard	N6TZE	(650) 355-0488	n6tze@arrl.net
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	George Fenisey	N6GYR	(650) 278-2026	gfenisey@fenisey.com
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
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
Newsletter Publisher	Roger Spindler	WA6AFT	(650) 359-5254	wa6aft@juno.com
Trustee of Club Call	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Web-Hosting	Joe Pistrutto	N3CKF	(650) 464-4859	n3ckf@arrl.net
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## COASTSIDE COMMUNICATOR

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FIRST CLASS

TO:



MEETING NOTICE:  
FIELD DAY WRAP-UP  
JULY 14<sup>TH</sup> 2010 - 730PM  
LINDA MAR FIRE STATION  
1 100 LINDA MAR BLVD  
PACIFICA, CA

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