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# THE COASTSIDE COMMUNICATOR

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VOL. 46, No. 5

MAY 2014

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WWW.COASTSIDEARC.ORG

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## PRESIDENT'S COLUMN

Greetings,

It's May already. At this month's meeting, following the committee reports, we will have Homebrew Night and Swap meet. If you built something, fixed something, or created something radio related, and want to show it off, bring it to the meeting. If you want to address the Club to discuss your project, please let me know in advance so we can allow time for you to speak.

If you have radio related items that need a new home, bring them to swap or sell. If you fail to find a new home for the items you brought, you must take them back home with you after the meeting.

On the weekend before the meeting, May 11th, we will have our trip to the Red Oak Victory, a Victory Ship in Richmond. The tour will cost \$5.00, with an optional \$7.00 breakfast. Mimosas are \$3.00 each or two for \$5.00. I thank Roy, KE6MNJ, for arranging the trip.

Coming up in June is Field Day on the 28th & 29th. We will be on top of Sweeney Ridge, our normal location. We will need help setting up on Saturday morning, as we as operating until 11:00 am on Sunday.

There is also a bicycle event on Saturday June 28th, where Casey, N6TZE, is the Comm. Boss. Yes you can do both, work the bicycle event, and then come up to the Field Day site. The conflict is that we need people to help set the site up, while the bicycle event is in progress.

On April 17th, some of the Club member participated in the County Health Departments 'Silver Dragon VIII.' We provided communication support for CERT teams passing out information to an area in Pacifica. I want to thank Casey, N6TZE, for taking the lead in organizing the communications for the event, and the following Hams who participated: Carmel, KJ6ERS; Dave, K6DMR; Tom, KJ6OGL; Josh, N6TZF; Cheryl, KJ6RNK; Ariel, K6RYL; & Leonard, NX6E.

I hope to see you at the meeting.

73,

Walt-KG6EDY

## APRIL MINUTES

The April 9<sup>th</sup>, 2014 meeting was called to order at 7:31 p.m. by our Club President Walt Long-KG6EDY at the Linda Mar Fire Station. Self-introduction by the members followed.

No corrections to the minutes were noted. It was moved by Bob Barbitta-W6LOG to approve the minutes as published in the Coastside Communicator. The motion was seconded by Cheryl Crofts-KJ6RNK and passed unanimously by the membership present.

### *TREASURER'S REPORT*

David Rinck-K6DMR read Frank Erbacher-N6FG Club Treasurers report of the Club's financials: \$58.50 in the General Fund; \$6,318 in the Repeater Fund; \$897 in the Digipeater Fund, and \$8,439 in the EOC/Public Service Fund. These individual fund totals add up to a club total of \$15,713.

David reported that \$28 was paid for mailing and publication of the April Coastside Communicator newsletter, and that bills for State Exemption Application Fee \$25, State Tax Return Printing & postage \$9, ARRL Insurance \$300, and for PDF Filler \$9.99

David also reported that the April US Bank statement, the March Short Skip from Santa Cruz, and the SFARC March newsletter were received by the Club.

A motion was made by Bob-W6LOG, with a second by Bill N6BCT and consensus of the membership present, to pay Casey-N6TZE \$20 for the NARCC Dues.

### COMMUNICATIONS

No report

### MEMBERSHIP

David-K6DMR reported two renewals were received from James Sanders-KW6L and Linda Sanders-KB6OIZ

### *COMMITTEE REPORTS*

#### REPEATER

Casey Villyard-N6TZE noted that he is working on a quote for a new repeater system.

#### AUTOPATCH

Ralph Bailey-K6DLZ reported that the autopatch is working.

#### DIGIPEATER

No report

#### APRS

Casey-N6TZE reported that the APRS is down and will be looked at next trip up.

**EMERGENCY SERVICES**

Casey-N6TZE reported that there was Tsunami Drill in San Mateo County on March 27. This exercise was to check communications with coastal areas to county and simplex communications locally. Our UHF repeater was un-linked from the VHF repeater, to test our local use of the UHF repeater versus simplex operation.

**FIELD DAY**

Casey-N6TZE reported that the Devil's Slide Bike-a-thon will be held on Field Day Saturday.

**FOG FEST**

No report

**NEWSLETTER**

Published

**WEBSITE**

Operational.

**BYLAWS**

No Report

***UNFINISHED BUSINESS***

None

***NEW BUSINESS***

None

***MOTION TO ADJOURN***

At 8:29 p.m. it was moved by, seconded by, and unanimously passed by the membership that the meeting be adjourned.

***PRESENT AT THE MEETING***

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

**Officers:** President: Walt Long-KD6EDY; Vice-President: Ralph Bailey-K6DLZ

**Members:** Gary Barnes-KI6HIG, Robert Barbita-W6LOG, Lucas Forf-W6AER, Roy Brixen-KE6MNJ, David Rinck-K6DMR, Casey Villyard-N6TZE, Bill Lillie-N6BCT, Tom Oliver-KJ6OGL, Carmel Gallagher-KJ6ERS, Cheryl Crofts-KJ6RNK

**NEWS*****CARC TO VISIT THE SS RED OAK VICTORY***

On May 11th, 2014 the Coastside Amateur Radio Club has organized a Sunday visit to the SS Red Oak Victory Ship docked on the Richmond, CA waterfront. This Sunday visit will include breakfast on-board and a docent lead tour of the ship from bilge plates to top mast. Since we are a radio club, special arrangements have been made for our tour to be led by the ship's Chief Radio Room Restorer and Operator. Here are the details:

**Breakfast and Tour Date:** Sunday, May 11th, 2014

**Times:** Breakfast seating at 10:00 AM,

Tour starts at 11:30 AM

Location: Richmond harbor waterfront—Map found at <http://www.ssredoakvictory.com/contact.htm>

Cost: Breakfast is \$7.00 and includes pancakes, scrambled eggs, bacon, and sausage. Breakfast drinks include OJ, coffee, or hot chocolate. Mimosas are available for \$3.00 each or two for \$5.00 (boy, those merchant seamen like to drink!!).

Tour cost is \$5.00 per person.

Dress: It should be warm in May with a bit of a harbor breeze. Breakfast seating is on-deck so bring a hat, sunglasses, and SPF9000+ sun block. Wear walking shoes with good traction soles—after all, this is a 1944 vessel designed and built for combat. The ship is not ADA compliant.

Transportation: Please organize carpools if possible. Visit the above listed website for travel details and a map.

To Learn More: about the SS Red Oak Victory visit their website at <http://www.ssredoakvictory.com/index.htm>

***REQUEST FOR AMATEUR RADIO VOLUNTEERS***

June is coming soon and with it Field Day on the last full weekend of the month. It is always a great experience going to the top of Sweeny ridge and operating off-grid for a couple of days. Good equipment, comradely and usually some pretty good pizza.

This year I have been asked to help with the communications effort for The Devil Slide Ride, 2014. 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 the first day of Field Day and I am looking for volunteers on Saturday, June 28th. We will be using the WA6TOW repeater and share it with CARC Field Day traffic.

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.

If you do not plan to participate on the first day of Field Day this year and are available to volunteer for this event please let me know.

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 send me an email at [n6tze@arrl.net](mailto:n6tze@arrl.net) and let me know.

**ARRL UPDATE****SKYWARN, ARES VOLUNTEERS MUSTER FOR SEVERE WEATHER ONSLAUGHT**

Amateur Radio Emergency Service (ARES) and SKYWARN teams activated in late April as severe weather, including devastating tornadoes, struck mainly in the Deep South and Midwest. As rain continued into the week, the National Weather Service (NWS) said flash flooding was possible from southern New England to the Gulf Coast.

On April 28, tornadoes raked Mississippi, Alabama, Arkansas, Missouri and other states. Upward of three dozen people died. According to Mississippi Gov Phil Bryant, tornadoes inflicted "severe damage" in and around Louisville, some 100 miles northeast of Jackson. Tupelo also was hit; television viewers in that city watched as WTVA's chief meteorologist exited the set after ordering his colleagues to take cover.

"Preliminary reports indicate extensive damage in the Jackson Metro, Winston County, and Lee County," ARRL Mississippi Section Manager Malcolm Keown, W5XX, said April 29.

"ARES/SKYWARN activated over the state providing ground-truth weather and damage reports to NWS-Jackson and NWS-Memphis. One 400 foot ham tower was lost in Northeast Mississippi which supported multiple repeaters."

More than a dozen died in weekend Arkansas storms; other fatalities were reported in Tennessee, Oklahoma, and Iowa. Forecasters say the spate of severe weather could continue through the end of the week. Arkansas Section Central District Emergency Coordinator and Arkansas SKYWARN volunteer Danny Straessle, KE5WLR, told ARRL that the NWS Little Rock Forecast Office contacted him on Saturday morning.

"Arkansas SKYWARN operates in the operations center at the Little Rock Forecast Office," Straessle explained. "This provides a direct benefit to the forecasters to have a direct ear-to-the-ground truth our operators provide." While much of Sunday was quiet, the NWS issued a tornado warning just after 7 PM, warning residents to take cover.

"We immediately received a report from Harold Higgins, W5HWH, in west Pulaski County of 80 MPH winds, trees down, and power out," Straessle said. Then, Tim King, KC5GNJ, reported debris and rotation -- the first actual tornado sighting. The twister proceeded into Mayflower and crossed Interstate Route 40, which was subsequently shut down.

"As the storm crossed the Arkansas River," Straessle said, "Adam Flynn, W5FJC, was the first to report that a second vortex had appeared." A tornado emergency was issued for Mayflower and Vilonia. "I can see a very, very wide tornado on the ground to the west," Flynn told the net. Behind the storm, Flynn followed up with reports of downed power lines and a damage path. Widespread property damage was reported in Mayflower and Vilonia, north of Little Rock. Tim Hunter, N5RZX, told the net from downtown Vilonia that he had eyes on the storm, which affected him personally. Other SKYWARN volunteers reported a second funnel trailing the first, and subsequent eyewitness reports confirmed the tornado. The net finally shut down at 4:45 Monday morning.

Straessle said he was pleased that Arkansas SKYWARN Amateur Radio storm spotters were able to provide "a virtual play-by-play" as the storms passed through. "While the forecasters had their eyes glued to the radar, their ears were

glued to reports coming in from Arkansas SKYWARN," he said. Straessle added that the net "went like clockwork."

In Bates County, Missouri, on Sunday, William DelliPaoli, KD0PVP, reported that his SKYWARN net was able to get a warning out 20 minutes in advance to members in the fire department and city emergency operations center, where volunteers were monitoring. "I had been monitoring NWS chat all day and was prepared for the tornadoes entering Bates County," he told Mike Bellinger, K0UAA, Missouri District A Emergency Coordinator.

Lafayette County, Missouri, ARES EC Jack Green, KD0CYM, said ARES was called out on Sunday April 27. "Around 1 PM we received word of a sighting south of Bates City, [and] we deployed. Around Higginsville, we had very strong winds that blew very large signs down, tore shingles off houses, and broke off large tree limbs," he told ARRL. Green said the 13 deployed spotters then stood down to regroup for the next front, but the tornado activity stayed to the south.

Ray County, Missouri, northwest of Kansas City, also experienced some severe weather over the weekend. ARES EC Randal Kennett, W0RAK, reported that Amateur Radio volunteers started up a net on the Richmond repeater and exchanged condition reports. A funnel cloud appeared some 4 miles from Kennett's home. "Tornado warnings were broadcast by NWS for most of the towns in my area," he said, but a downed tree in Hardin was the worst damage he observed.

Much of the US South and Southeast experienced heavy rainfall as a result of the persistent storm systems, and flood warnings were posted in several states. Some regions received more than a foot of rain in 24 hours. The Florida Panhandle was especially hard hit by flooding.

**AM BROADCASTERS, HAMS HAVE COMMON INTEREST IN CLEANING UP NOISE SOURCES**

Radio amateurs and AM broadcasters have some common ground in wanting to clean up "a worsening RF noise environment in the AM broadcast band," according to recent comments filed with the FCC by the Society of Broadcast Engineers (SBE) on the issue of revitalizing AM broadcasting. ARRL General Counsel Chris Imlay, W3KD, who is also general counsel for the SBE, drafted the remarks.

"There are numerous complaints from Amateur Radio operators of severe interference from power line noise annually," said the SBE comments, filed earlier this year. "Power line radiation in the HF and MF Amateur allocations will in most cases directly translate to preclusive noise in the AM broadcast band. The Commission has relied completely on the good faith efforts of electric utilities to resolve these." While that approach has succeeded in some cases, Imlay wrote, "more often, utilities do not have available to them -- and are not willing to retain -- persons skilled in RF interference resolution, and the cases at FCC are allowed to languish unresolved for years...without any enforcement action at all." The SBE noted that AM listeners often are in vehicles adjacent to power lines that "frequently radiate RF noise" at levels to make AM reception difficult or impossible.

**ARRL Update cont.**

The SBE comments also pointed to "substantial numbers of complaints of harmful interference to Amateur Radio stations" from LED lighting systems, noting that many RF light bulbs could be within range of a typical AM broadcast receiver in the typical residential neighborhood. Imlay used recent ARRL Laboratory RF lighting test results as one example to illustrate the problem.

The SBE comments cited an RF lighting ballast used for indoor gardening that generated excessive conducted emissions that could "preclude AM broadcast reception over entire residential subdivisions." The ARRL formally complained about the device to the FCC last month. The SBE also pointed the finger at radiation from



unintentional emitters, such as plasma TV sets, and conducted emissions from devices such as pulse-width motor controllers. "[T]he goal of AM revitalization will never be realized in the medium and long term in the face of the headwind of a worsening RF noise environment in the AM broadcast band," the SBE said, noting that the same concerns apply to all bands between 9 kHz and 30 MHz. "Some regulatory relief is absolutely necessary," the SBE concluded.

The situation may already be improving. Last month the FCC cited a Washington resident for operating an "incidental radiator" -- apparently some sort of lighting device -- that has been causing harmful interference on Amateur Radio frequencies. The Commission has ordered the individual to stop using the device.

**A CENTURY OF AMATEUR RADIO AND THE ARRL**

At the end of World War II, US soldiers and sailors were deployed all over the world, as were the troops of other nations. Among them were radio amateurs, itching to get back on the air. At their military radio stations, they could hear hams from countries around the world, as those governments allowed them back on the air again.

But US servicemen and servicewomen in other countries faced a problem. To get on the legally was a bureaucratic nightmare that involved both US military officialdom and the government of the host country. Many hams solved the problem simply by going on the air.

In the late 1940s QST carried a number of articles written by those overseas hams. In many cases, the hams were enlisted men, and they might have to go through one or two or three echelons of command to get military permission to operate. But once they got that permission, they usually had high-power transmitters and good antennas, and they made themselves heard in the US and around the world. Yes, ham radio came back with a bang!

Meanwhile, back in the US, as the HF ham bands were reopened, hams began getting back on the air. The old faithful brands of ham equipment reappeared in catalogs and stores -- now much improved and with better operating characteristics and circuitry, including built-in VFOs, something not common in the 1930s.



The BC-348 military receiver was a popular surplus item among hams. This ad appeared in the November 1947 QST.

commercial HF transmitters, in kit form or ready-made, rather than building them from scratch, as most hams did in the 1930s.

Many hams bought military surplus transmitters, either to cannibalize for parts or to modify for ham band use. Many military surplus HF receivers could be used with few or no modifications.

As a result of new technology, as well as the availability of inexpensive military surplus equipment, the 1940s and 1950s became high-rolling times for amateurs. It was possible for hams licensed before the war as and newly licensed hams to get on the air with pretty good equipment at low cost.

Then, in the 1950s, new FCC rules gave Amateur Radio a shot in the arm by bringing thousands of ham wannabes to the FCC examination table and then on the air. We'll look at that next week. -- Al Brogdon, W1AB



ARRL OPPOSES FCC PROPOSAL TO LEAVE LICENSED SERVICE USERS OPEN TO UNLICENSED INTERFERENCE

Asserting "a substantial stake" in the outcome of the proceeding, the ARRL has commented in opposition to an FCC proposal that would leave licensed radio service users vulnerable to interference from unlicensed devices. In a docket unrelated to Amateur Radio spectrum, the Commission has indicated that it's willing to consider adding licensed Globalstar terrestrial users to the 2473-2483.5 MHz band -- already shared by licensed and unlicensed services -- with the condition that customer handset users in the new allocation accept interference from unlicensed radio services now legally operating there. The League's comments were in response to a Notice of Proposed Rule Making (NPRM) in IB Docket 13-213 and RM-11685.

"This plan would for the first time create a multiple-use, radio frequency environment in which Part 15 unlicensed devices do not have to protect a licensed, allocated radio service from harmful interference," the ARRL stressed. "This is untenable as a precedent, and it makes the entirety of the [NPRM] likewise untenable."

The League said allowing Globalstar to deploy Ancillary Terrestrial Component (ATC) users of its Mobile-Satellite Service (MSS) system under technical rules that apply to unlicensed users would depart from long-standing rules protecting licensed radio services from interference resulting from the use of unlicensed Part 15 or Part 18 ISM devices.

The League said the proposal "represents an unprecedented withdrawal of the assurances that licensed users have been given by the Commission and relied upon in dozens of allocation proceedings." The League said many Commission orders "consistently embody" the principle that Part 15 device operators must cease operations that cause harmful interference.

"The Commission cannot, consistent with the entire regulatory underpinning for allowing Part 15 devices, premise an allocation decision in this case on the unique provision that a component of a licensed radio service will not be entitled to interference protection from Part 15 devices, whether those unlicensed devices are incumbent or deployed in the future in the band at issue," the League concluded.

The ARRL suggested that the FCC "do some bona fide technical evaluation" of compatibility between and among services in and below the band at question and of ATC systems before deciding whether or not the proposed overlay is compatible.

"The price of making the wrong assumptions is too high in this and similar allocations proceedings," the ARRL said, "and the damage from the wrong assumptions will be, practically speaking, impossible to reverse."

A CENTURY OF AMATEUR RADIO AND THE ARRL

I've always enjoyed reading about the history of Amateur Radio, ever since I was first licensed as a Novice in 1952. Up to this point in this series, I've recounted events I'd only read or heard about from the old timers of my youth. From now on, I'll be reporting about the exciting times I lived through as a young ham and, later, as an old timer.

During World War II, manufacturing processes were developed to inexpensively manufacture flexible coaxial cable. Thousands of miles of coaxial cable showed up on the military surplus market after the war, and hams fell into the then-new habit of using coax to feed their antennas. With the advent of TV, inexpensive 300 W "twin lead" became common, and hams also used that for feed line. But TV's arrival certainly had a darker side for Amateur Radio -- television interference (TVI)!



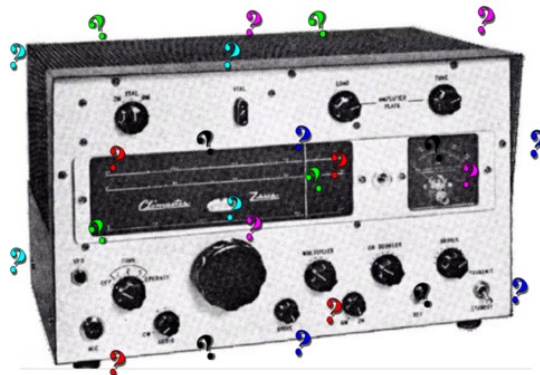
Much early TV broadcasting was on the lower VHF channels -- low enough in frequency to be affected by harmonics (and other radiation) from HF ham transmitters, in addition to fundamental overload of the TV's front end by a strong ham signal. The 15 meter amateur band opened in May 1952, and some early TV receivers used a 21 MHz IF!

An example of TVI on VHF channel 2. [The Radio Amateur's Handbook - 1972]

Although most TVI problems were a result of poor interference rejection of the TV receivers, all the neighbor knew was that we hams were ruining his newfound, precious entertainment medium, for which he had paid big bucks.

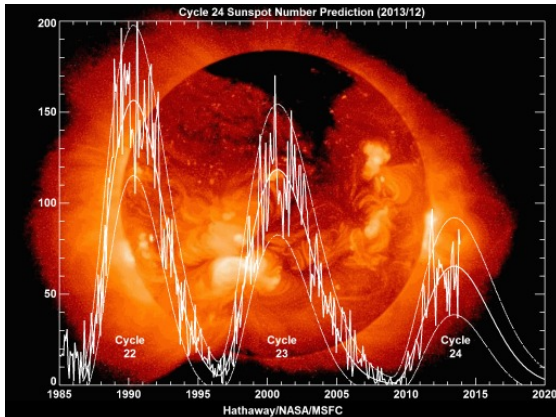
Phil Rand, W1DBM, worked with the ARRL to develop TVI-reduction techniques and methods, and he authored many QST articles on the subject during the 1950s. As part of the League's efforts to help hams reduce TVI, ARRL staff member Lew McCoy, W1ICP, took his "TVI show" on the road to ham clubs and community meetings around the country, explaining and demonstrating the problem and showing how hams could reduce their neighbors' -- and perhaps their own -- TVI. It was a long time before this problem was under control, but the League's efforts were a major factor in turning the tide.

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: Kennedy Universal Receiver Type 110

## SOLAR UPDATE



Tad Cook, K7RA, Seattle, reports: We saw an uptick in solar indices this week (May 1-7) compared to the previous 7 days, with average daily sunspot number rising from 73.4 to 118.4, and average daily solar flux up 13 to 135.6. The most active geomagnetic days were May 4-5, with planetary A index at a moderate 16 and 10, mid-latitude A indices of 15 and 11, and the high latitude college A index (measured at Fairbanks, Alaska) at 25 and 10.

Predicted solar flux for the near term is 145 for May 8-9, 150 for May 10-12, 145 for May 13-15, 140 for May 16-17, 135 on May 18, 130 for May 19-20, 125 on May 21, and 120 for May 22-26.

The near-term peak of 184 on June 9 disappeared from the daily 45-day outlook on May 5. The predicted solar flux for that date was 155 in the April 25-27 forecasts, jumped to 184 from April 28 through May 4, and was down to 131 in the May 5-7 forecasts.

Predicted planetary A index is 8 for May 8-9, then 12, 10, 8, and 5 for May 10-13, 8 for May 14-15, 5 for May 16-20, then 10 and 8 for May 21-22, 5 for May 23-30, then 8 for May 31 through June 1, 12 on June 2, 8 for June 3-4, and 12 on June 5-6.

At 0538 UTC on May 8 the Australian Space Forecast Centre issued a geomagnetic warning. Increased geomagnetic activity is expected for the rest of May 8 due to a coronal mass ejection.

Currently a spate of new sunspot groups are appearing around our Sun's eastern horizon. This is good news for HF propagation. You can track the progress of emerging sunspots via the STEREO satellites.

HF conditions are good right now, especially when compared to earlier points in this weak current solar cycle. We appear to be at a second or third peak in Cycle 24 activity, with no certainty as to how long this will last.



## 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.

**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

#### 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: May 12 2014  
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: June 7<sup>th</sup> 2014, Fremont, CA  
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 10 <sup>th</sup>	Sunnyvale, CA	10:30	AM
Sat	May 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 8th	2014 Agenda Planning, LM Fire Station
Feb 12th	2014 Agenda Finalizing/Bylaws LM Fire Station
Mar 12th	Pizza Night , Linda Mar Round Table Pizza
Apr 9th	Meeting Night , LM Fire Station
Apr 17th	Silver Dragon CERT Exercise-Pacifica
May 11th	SS Red Oak Victory Tour 10AM Richmond
May 14th	Home Brew/Junk Swap Nite , LM Fire Station
Jun 11th	Field Day Planning Mtg, LM Fire Station
Jun 28-29	CARC Field Day, Sweeney Ridge
Jun 28	PARCA Bike-A-Thon
Jul 9th	Field Day Wrap-Up Mtg, LM Fire Station
Aug 13th	Meeting Night , LM Fire Station
Sept 10th	Meeting Night , LM Fire Station
Sept 27-28	Pacific Coast Fog Fest, Pacifica
Oct 8th	2014 Officer Nominations, LM Fire Station
Nov ?	Election Dinner
Dec 10th	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 Coastside 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 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 Coastside 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**

*55 Years*



*of Service*

*45 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	Mary Ellen Scherer	AJ6J	(415) 239-4513	aj6j@arrl.net
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
Control Operator	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
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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 14<sup>TH</sup>  
LINDA MAR FIRE STATION  
PACIFICA, CA  
7:30PM**

**HOME BREW-JUNK NIGHT  
&  
PROF ROY BRIKEN  
ELECRAFT KX3-KPAX3**

## COASTSIDE COMMUNICATOR

DAVID RINCK, EDITOR  
P.O. BOX 1106  
PACIFICA, CA 94044

FIRST CLASS

TO:

