



THE COASTSIDE COMMUNICATOR

Vol. 47, No. 1

JANUARY 2015

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Greetings and Happy New Year!

I hope everyone had a joyous holiday season.

Our January Meeting is the traditional plan session for the year. Some events such as Field Day and Fog Fest are annual events. Last year we went to the California Historical Radio Society Museum, the De Anza Swap Meet, and to the Red Oak Victory. If you have any ideas for Club activities for meetings, events, or field trips, please bring them to the meeting.

I want to thank last year's Officers: Vice President Ralph, K6DLZ; Secretary Mary Ellen, AJ6J; and Treasurer Frank, N6FG. I also want to thank Cheryl, KJ6RNK, for stepping up to Club Secretary for 2015.

At the November Meeting, I passed out some hats as rewards to the Club Officers and some other members who contributed to the Club last year. To the other members present, I gave each a patch with the Club Logo. If you were not at the Club meeting, and would like a patch, see me at one of the Club meetings. I have a limited quantity left.

I hope to see you at the meeting on January 14th.

73,

Walt-KG6EDY

DECEMBER MINUTES

The December 10, 2014 meeting was called to order at 7:47 p.m. by our club president, Walt Long-KG6-EDY at the Linda Mar Fire Station in Pacifica. Self-introduction by the members and guests followed.

No corrections to the minutes were made. It was moved by Dave Lawrence-KF6TWW to approve the minutes as published in the Coastsideside Communicator. The motion was seconded by Ed Freeman-KD6TWK and passed unanimously by the membership present.

TREASURER'S REPORT

Frank Erbacher-N6FG read the report of the Club's financials: \$571 in the General Fund; \$1,819 in the Repeater Fund; \$676 in the Digipeater Fund and \$7,440 in the EOC/Public Service Fund. These individual fund totals add up to a club total of \$10,506.

The treasurer paid \$27 for mailing and publication of the Coastsideside Communicator newsletter.

Frank-N6FG reminded the members that he is now collecting Club dues for 2015.

MEMBERSHIP

Total club membership stands at 70 with 67 licensed members, 50 of whom are ARRL members.

COMMUNICATIONS

Frank-N6FG reported that the Club received its November US Bank statement and the November edition of Short Skips.

COMMITTEE REPORTS

REPEATER

Dave Rinck-K6DMR reported that he has sent out a reminder to those using the WA6TOW repeater for special events and nets that they need to schedule their events in advance through him as the Club Station Control Operator.

AUTOPATCH

Operational

DIGIPEATER

Operational

APRS

Operational

EMERGENCY SERVICES

Walt-KG6EDY reported that there was an event that used the WA6TOW repeater that failed to schedule the event with the Club Station Control Operator.

FIELD DAY

No report

FOG FEST

Frank-N6FG reported that the Club received a check for \$1800 for its participation in handling communications for the event.

NEWSLETTER

Published

WEBSITE

Operational

Scott Mercer-KI6SEJ, web master, said that he would like to work with the officers to obtain the information necessary to add PayPal to the website.

UNFINISHED BUSINESS

None

NEW BUSINESS

Field Day Vehicle—Scott-KI6SEJ made a motion that funding not to exceed \$200 be approved for a vehicle for Field Day use. The motion was seconded by Frank-N6FG and unanimously passed by the members present.

ADJOURNMENT

It was moved by Dave Lawrence-KF6TWW, seconded by Scott-KI6SEJ, and unanimously approved by the members present that the meeting be adjourned at 8:01 p.m. so that the members could enjoy the Club's annual holiday potluck dinner.

PRESENT AT THE MEETING

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

Officers: President: Walt Long-KG6EDY; Vice-President: Ralph Bailey-K6DLZ, Secretary: Cheryl Crofts-KJ6RNK, Treasurer: Frank Erbacher-N6FG

Members: Jane Bailey-KF6PGF, Barbara Erbacher-K6IIP, Ed Freeman-KD6TWK, Carmel Gallagher-KJ6ERS, Dave Lawrence-KF6TWW, Scott Mercer-KI6SEJ, Tom Oliver—KJ6OGL, Joe Pistrutto-N3CKF, Dave Rinck-K6DMR, Casey Villyard-N7TZE and Joshua Villyard-N6TZF.

Visitors: Arnott Smith-KF2TM

Reported by Mary Ellen Scherer-AJ6J, Secretary




COASTSIDE AMATEUR RADIO CLUB
**WA6
TOW**
SINCE 1969
PACIFICA, CA

**THE 2015 MEMBERSHIP FORMS
ARE NOW AVAILABLE!**

**RENEW YOUR MEMBERSHIP
TODAY!**

CONTACT FRANK-N6FG

**NEWS****ARRL UPDATE****"AMATEUR RADIO PARITY ACT" CAMPAIGN
WILL RESUME IN NEW CONGRESS**

Largely as the result of a grassroots campaign, "The Amateur Radio Parity Act of 2014" (H.R. 4969) attracted the support of 69 members of the US House of Representatives in addition to that of its sponsor, Rep Adam Kinzinger (R-IL). While the just-adjourned 113th Congress did not enact the bill, the effort to gain passage of the legislation will begin anew when the 114th Congress convenes in January. Introduced with bipartisan support last June, H.R. 4969 called on the FCC to apply the "reasonable accommodation" three-part test of the PRB-1 federal pre-emption policy to private land-use restrictions regarding antennas. The limited PRB-1 pre-emption currently applies only to state and municipal land-use ordinances. The FCC has indicated its reluctance to provide the same legal protections from private land-use agreements -- often called covenants, conditions, and restrictions (CC&Rs) - - without direction from Congress. ARRL Regulatory Information Manager Dan Henderson, N1ND, stressed this week that the fight is not over.

"While we are disappointed that the bill did not make it through the process during the session, the effort was extremely energized by the efforts of thousands of ARRL members who participated in our grassroots lobbying effort," Henderson said. "In just 6 short months we gained tremendous traction for the Amateur Radio Parity Act."

Henderson explained that sometime after the new Congress is called into session in January, a new "Amateur Radio Parity Act" bill with a new number will be introduced into the US House. "Once this happens, the ARRL will gear up for a fresh effort to push this legislation forward," he added.

ARRL CEO DAVID SUMNER, K1ZZ

In a note to ARRL Section Managers this week, ARRL CEO David Sumner, K1ZZ, thanked Section leaders and Field Organization volunteers on behalf of the ARRL Board of Directors and Headquarters staff for their help in garnering legislative support for H.R. 4969. "We had hoped to gain 30 co-sponsors for the bill and ultimately ended up with 69, plus the sponsor," Sumner noted. "The overwhelming majority of these 70 supporters are returning in January, which gives us a good base on which to grow additional support."

Sumner said the objective for 2015 is to continue the momentum, gathering enough support to move the bill through the Energy and Commerce Committee. "We have received expressions of interest from the Senate side and are hoping to have the bill introduced there as well," he added.

Henderson said the bill would not have attained its current level of support in the US House without the thousands of letters and phone calls made by ARRL members to their congressional representatives. "The success of this crucial issue relies on the efforts of all radio amateurs and ARRL members," he said. "We know you will step forward in the new year, when we renew our efforts on Capitol Hill."

BOY SCOUTS RECOGNIZE ARRL AMATEUR RADIO SERVICE TO SCOUTING AWARD

The Boy Scouts of America's National Awards and Recognition Committee has officially recognized the ARRL "Amateur Radio Service to Scouting Award" as part of its family of Community Organization awards. The ARRL award recognizes actively involved Scouting leaders who make a significant contribution to providing Scouts with a memorable and valuable Amateur Radio experience. This program allows Scouting leaders to wear the Community Organization Award square knot on their uniform, in recognition of their service within their community organization.

"This is yet another step in ARRL-BSA cooperation, one that will recognize the Scouting leaders who have worked tirelessly to introduce the science, technology, fun, and excitement of Amateur Radio to the youth involved in Cub Scouting, Boy Scouting, and Venturing," the Boy Scouts organization said in announcing its formal recognition of the League award.

This award was officially established through a resolution adopted by the ARRL Board at its 2013 Annual Meeting. It builds on the long-standing relationship between the BSA and ARRL, which began with the development of the Wireless Merit Badge in 1918 (now called the Radio Merit Badge). This relationship was formally recognized through a 2011 Memorandum of Understanding (view a video of the signing).

Nominations for the Amateur Radio Service to Scouting Award are made through the appropriate ARRL Section Manager.

CROSS-BORDERS ARES EXERCISE TESTS NORTHEAST COMMUNICATION CAPABILITIES

Maine ARES® Section Emergency Coordinator (SEC) Phil Duggan, N1EP, wants to expand Amateur Radio's reach during emergencies in the Northeast. To that end, he convened a 40 meter "cross-borders" net on Saturday morning, December 13, on 7262 kHz to test the communication paths for that band and time for operators in Maine, New Hampshire, and the bordering Canadian provinces. The exercise was spurred by Maine Emergency Management Agency Communications Manager Steve Mallory's suggestion that Maine hams should put extra effort into training and exercising with neighboring states and provinces, since disasters do not recognize borders.

"The exercise brought together Amateur Radio operators from the bordering states and provinces in a collaborative effort that will continue in the coming months, using a variety of bands and modes," Duggan told ARRL. He said the net attracted 33 check-ins from New Brunswick, Nova Scotia, New Hampshire, Massachusetts, Rhode Island, and Vermont. Several state and provincial ARES members and emergency coordinators participated, including New Hampshire SEC Wayne Santos, N1CKM.

"Most signals were easily copied during the net by all," Duggan recounted. "One surprising outcome for some was the

fact that a couple of the stations that had the strongest signals were using modest power -- 25 to 40 W -- and their antennas were verticals." Duggan said the exercise expanded upon Maine ARES and New Hampshire ARES Simulated Emergency Tests held earlier this fall, when members of both states' teams supported each other's SETs.

"In recent years there have been few such exercises in the region [and] most Maine emergency communication drills have been limited to VHF or 75 meter phone," Duggan said. "As Maine SEC, in addition to voice modes, I am encouraging the use of more Amateur Radio assets in our training activities, including Narrow Band Emergency Messaging System (NBEMS), digital, good old-fashioned CW, and working with our neighbors."

Duggan plans similar events in the future, most likely on a quarterly basis. He encouraged stations in all six New England states, as well as in the Maritime provinces and Quebec, to join in. Read more. -- Thanks to Maine SEC Phil Duggan, N1EP

CENTENARIAN ARRL MEMBER SAYS CONGRESSIONAL GOLD MEDAL FOR CAP WAS OVERDUE

A 100-year-old ARRL member from North Carolina was among those honored on December 10 when the Civil Air Patrol (CAP) received a Congressional Gold Medal for its World War II service, and, for Weldon Fields, W4AJT, of Greensboro, the recognition was long overdue.

Lt Col Weldon Fields, second from right, enjoys a moment with fellow CAP members (L-R) Sgts Edsel B. RivenBark, Bill G. Haire, Tyler B. Dunlap Jr, and Carl E. Lucas. Capt Edwin T. Howard is on the right. This photo was taken in 1944 at Tow Target Unit No 21, Monogram Field in Suffolk, Virginia. [Photo courtesy of CAP via the North Carolina Archives]

During the war, Fields volunteered to become a member of a CAP contingent at Base 16, near Manteo, on North Carolina's Outer Banks. CAP pilots were carrying out anti-submarine missions to thwart submarine attacks off the US East Coast, and volunteers like Fields were needed to provide aircraft-to-ground radio communication. According to CAP, Fields, who became a CAP lieutenant colonel, was responsible for maintaining communication from the base to the planes. He also contributed his own Amateur Radio gear to the base, back in an era when equipment was anything but small and lightweight.

"I took my radio down there, and lo and behold, the stairs to the second floor [where the radios were located] were about as wide as my radio," Fields recalled. "We got it up there, and it worked okay, but it was kind of a chore." CAP observer planes flew each day from sunrise to sunset, Fields recalled, keeping the radio operators busy modifying and repairing aircraft radios. While his primary work was as a communications officer, Fields also flew some 200 to 300 hours as a mission observer. "The wartime communications systems and procedures put in place by Col Fields and his

ARRL Update cont.

nationwide communications system operated by Civil Air Patrol, said CAP Col David Crawford, the North Carolina Wing commander.

"I'm proud to say that from the day we sent the first flight out, there was not another sinking of our boats or any kind of ship," Fields said. Once the German submariners learned of the CAP air patrols, they were afraid to surface.

Forty-six founding CAP members were on hand in Washington, DC, for the presentation, representing the more than 200,000 CAP volunteers during World War II.

A CENTURY OF AMATEUR RADIO AND THE ARRL

In July 2001, the ARRL petitioned the FCC to allocate 5.250 to 5.400 MHz to Amateur Radio.

At its July 2001 meeting, the ARRL Board of Directors endorsed the Logbook of The World (LoTW) concept, and Headquarters staffers began the massive push to make LoTW a reality.

In September 2001, the ARRL presented an Amateur Radio demonstration and tutorial to FCC commissioners and staff members. ARRL President Jim Haynie, W5JBP, headed the ARRL contingent, and the show-and-tell was deemed a great success.

Amateur Radio mobilized and provided communication support following the terrorist attacks of September 11, 2001, on the World Trade Center and the Pentagon. The following month, the FCC established a Homeland Security Panel to plan for restoration of communications links following terrorist attacks.

In October 2001, a rash of bio-terrorist (anthrax) threats to federal government facilities caused FCC processing of licensing and other matters to be significantly delayed.

The FCC announced that all applicants must register for and obtain a 10-digit FCC Registration Number (FRN), in order to do business with the Commission after December 3, 2001. -- Al Brogdon, W1AB

**THAT'S "DOCTOR BOB" TO YOU**

Well-known Amateur Radio audio products manufacturer Bob Heil, K9EID, will receive an honorary doctorate on December 20 from the University of Missouri-St Louis. The school will grant Heil, the founder of Heil Sound Ltd, an honorary Doctor of Music and Technology degree for his contributions to the world of broadcast, live, and studio sound and to the



Amateur Radio industry. Heil will also speak at the school's winter commencement ceremony. -- Thanks to SoundForums.net and Southgate Amateur Radio News

NEW ELEMENT 3 (GENERAL CLASS)**QUESTION POOL RELEASED**

The Question Pool Committee of the National Conference of Volunteer Examiner Coordinators (NCVEC) has released the 2015-2019 Element 3 (General Class) question pool. The new question pool becomes effective for all Element 3 examinations administered on or after July 1, 2015, and it remains valid until June 30, 2019. The question pool files are available in PDF, Microsoft Word (.doc), and ASCII text formats. Section G7A requires the use of one illustration, a schematic identified as G7-1. This drawing file is published separately. -- Thanks to Roland Anders, K3RA, NCVEC Question Pool Committee Chairman

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

AS TOLD BY JACK MCCULLOUGH-W6CHE
CO-FOUNDER OF EIMAC – PART 1

Editor's Note: The following is Part 1 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

The Story Begins

Bill Eitel-W6UF and I have been asked to tell you something of the history of Eimac. Unfortunately Bill had to undergo major surgery recently and is not up to making this meeting tonight. I would like to spend a fair amount of time describing our experiences at Heintz & Kaufman. The events that led up to the founding of Eimac, the early years of Eimac, and more quickly cover the war and then paint with bolder strokes the thirty post war years.

Eimac celebrated its 40th anniversary this past September (1974). Every ham knows that Eimac makes transmitting tubes. With this product and 40 years of history, it should not be surprising when I tell you that Eimac participated directly in every major technological breakthrough over these years that required high power tubes. Paraphrasing a TV program of a few years ago, "Eimac was there." Airline communication update in 1936; radar, 1936 to present; work with Armstrong on development of FM; tubes for TV, both receiving and transmitting, airborne radar, troposcatter communication, broadcast FM and AM, Ballistic Early Warning System, etc. Every moment of our history has been fun and exciting.

Much of this history has been told before. Maybe a less known part of Eimac history would be of interest to this group. I am referring to how Eimac got started in the first place.

I got my ham license and my present call 6CHE in 1923 when I was a sophomore in high school. Bill Eitel got his license the following year. Little did we know how our interest in amateur radio would cause our paths to cross and eventually form Eimac.

The History of EIMAC cont.

A personal note at this point - I became President of the High School Radio Club in my senior year. The principal of the school thought my interest in amateur radio was interfering with my studies so I had to resign as President of the Radio Club. I'll never forget his prophetic words, "Your interest in amateur radio is a waste of time and if you pursue it, you will never amount to much." I wonder what would have happened if I had taken his advice!

Spark was just passing from the scene in 1923 so my first transmitter had a UV202, the so-called five watter. Believe me, they were right. You squeezed to get 5 watts! Later I owned a UV203 fifty watter. National Tube Company (Wilbur and Lewis) were making "dynamite" 50 watters, UV203A with straight tungsten filaments. Loop modulation was still an accepted way of going on phone. Off center fed dipole

H&K (Heinz & Kaufman)

Bill joined H&K in January 1929. H&K's job was to supply communication equipment for Dollar-Globe Wireless. RCA wouldn't supply tubes to anyone, much less a potential competitor. Dollar, uncertain of RCA patents, had H&K develop a new type tube called gammatron, a name invented by Jim Brown-W6AY. The original gammatron had no grid but two plates on each side of the filament; electrons were controlled by the plate close to the filament. Jim named this electrode the gamma plate.

No one knew how to make tubes, so Bill and another fellow named Dunlevy learned how to work glass the hard way - lots of broken glass and plenty of burnt fingers. R&K pioneered in the use of tantalum as electrode material for tubes. Tantalum has a melting point nearly as high as tungsten but much easier to form and weld. At a red temperature in absorbed high quantities of gas, tantalum was the basis for the rugged tube. All this at H&K on Natomas St., in San Francisco.

H&K moved to South San Francisco in early 1930. About this time, my brother and I had an unsuccessful adventure in the automobile business. We were distributors for the Stutz Automobile for Northern California. In the fall of 1929, the company went bust. To survive, I started a radio service operation in San Francisco but after a few months decided it was not my cup of tea. I looked for a job at about the only electronics activity in the Bay Area, H&K.

I found Bill was now in charge of the operation to make these new gammatron tubes at the new H&K South San Francisco plant. Bill gave me a job in this new operation. Being a ham helped. Bill's group had a big job to make the 500 watt H255 gammatron for all the transmitters of the Dollar Steamship Company's ships as well as for the land based stations of Globe Wireless.

By the end of 1930, the depression caught up with the Dollar Co. so they decided to slow down on their development of the Globe Wireless communication system which was originally intended to be directly competitive with RCA and McKay. The uncertain patent situation had a lot to do with this hesitancy to proceed at full bore. The net result was an almost complete stoppage of all work at H&K at South San Francisco.

From a payroll of around 300 people in early 1930, the force was reduced to just two people, Bill Eitel and Phil Schofield. Phil was the chief engineer and had designed the equipment

used in the system. Bill was supposed to keep the whole system supplied with tubes! I guess the Dollar people didn't realize that tubes don't last forever or how much work was involved in making them. After a few months, Bill decided the job was too much for one man so he was given permission to rehire two people for an uncertain time but for at least six weeks. Bill asked me and one other fellow named Koski whether we would take a chance on such a short-time job offer. The job I had obtained after leaving H&K was only paying \$90 per month and I had to commute to San Francisco from San Bruno by car. I didn't have much trouble in deciding to take the temporary job at H&K. The job turned out to be permanent. We soon organized the rebuilding of the HK255 gammatron into an efficient routine. We found we had a reasonable amount of time to explore other avenues of tube development. Remember, this was in 1931-1934

Tubes made by Western Electric usually used oxide coated cathodes. Up until about this time, the only other emitter for a transmitting tube was a pure tungsten filament. The first thoriated tungsten tubes were beginning to appear. The 210 was a replacement for the UV202, the UV203A for the UV203 and the UV204A for the UV204.

In 1932 the very tight monopoly exercised by RCA and Western Electric that prevented much competitive tube manufacturing activity was relaxed by order of the Supreme Court; even so, RCA and Western Electric were not about to give away their, trade secrets on how to make these more efficient cathodes. So, like Bill had to do earlier, when he learned to work glass, we had to approach acquiring knowledge on how to make these new type cathodes by the cut and try method. We had some success.

One interesting aside - it is one thing to have your chemicals used in making an oxide type cathode in a bottle, but it was quite another to have that material go through the proper chemical reaction and end up adhering firmly to the core material running at 70°C.

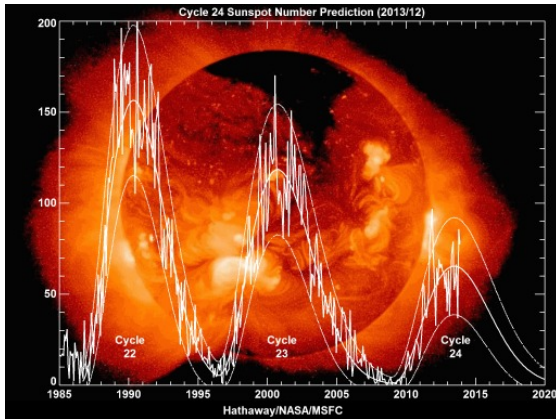
After many failures in attempting to find a binder, one material that we used successfully for binder material was ordinary Karo syrup bought at the grocery store. I forget now whether it was in the can with the Red label or the one with the Black label. We also found that thoria appearing at less than one percent in tungsten wire doesn't do a thing for the emission unless the filament is properly processed. This process is called carburizing. Usually the thoriated tungsten wire is heated in a hydrocarbon atmosphere until some of the carbon reacts with the tungsten wire. We had a lot of fun before we got this process to work.

Actually none of the tubes H&K were making up to that time used or needed these more exotic emitters so Bill and I decided we should try making something unusual for our ham rigs. For its day, one of the more far out tubes we made was a 250 watt plate dissipation pentode. This tube had an indirectly heated oxide cathode. The tube worked well and met our crude criteria of that day and that was it could be driven by a type `46 receiving tube running as a doubler.

Part 2 next month



SOLAR UPDATE



THE K7RA SOLAR UPDATE

Tad Cook, K7RA, in Seattle reports: Solar activity made a strong comeback this week, with the average daily sunspot number for December 11-17 rising 57 points to 145.4 from the previous 7 days. Average daily solar flux was up 28.1 points to 167.7.

The solar flux prediction for the near term is 190 on December 18-19, 185 on December 20-23, then 175, 170, and 145 on December 24-26, 140 on December 27-29, 135 on December 30 through January 1, 140 on January 2-4, 145 on January 5, 155 on January 6-7, 160 on January 8, and 165 on January 9-12.

Predicted planetary A index is 8, 10, 15, 10, and 8 for December 18-22, 5 on December 23-27, 8 on December 28-30, 10 on December 31 and January 1, then 12, 25, 15, and 10 on January 2-5, 8 on January 6-7, 10 on January 8-9, and 8 on January 10-12.

At 0105 UTC on December 18 the Australian Space Forecast Centre issued a geomagnetic warning for an expected CME impact on December 19-20, resulting in increased geomagnetic activity, with unsettled to active geomagnetic conditions on December 19 and active conditions on December 20.

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: National Company Inc. HRO-5AL*

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
3rd 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
2nd 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@sfwcf.com
Web Page: <http://www.sfwcf.com/aero/exams/>
When: See Website
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: January 24th 2015
Where: The Event Center at Saint Mary's Cathedral
1111 Gough Street, San Francisco, CA 94109-6686
Registration required, class size is limited.
Web Page: <http://www.baears.com/> for info and registration.
Questions: Ross Peterson (650) 349-5349 or wb6zbu@arri.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
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
Web Page: <http://www.amateur-radio.org>

Sat	Jan 10 th	Sunnyvale, CA	10:30	AM
Sat	Jan 24 th	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 7th	2015 Agenda Planning, LM Fire Station
Feb 11th	2015 Agenda Finalizing, LM Fire Station
Mar 11th	Meeting Night , LM Fire Station
Apr 8th	Meeting Night , LM Fire Station
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
Aug 12th	Meeting Night , LM Fire Station
Sept 9th	Meeting Night , LM Fire Station
Sept 26-27	Pacific Coast Fog Fest, Pacifica
Oct 14th	2014 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



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
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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
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Website	Scott Mercer	KI6SEJ	-	ki6sej@arrl.net



**MEETING
NOTICE:**

**JANUARY 14TH
LINDA MAR FIRE STATION
PACIFICA, CA
7:30PM**

**2015 AGENDA
PLANNING MEETING**

COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:

