



THE COASTSIDE COMMUNICATOR

VOL. 47, No. 9

SEPTEMBER 2015

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Greetings,

At our August Back to School Night we had an interesting presentation on Filters by Professor Roy (KE6MNJ).

At our September Meeting we will be discussing our participation in the Pacific Coast Fog Festival on September 26th and 27th. This is not a difficult detail. We log radios in and out, and may handle some radio traffic. The Club does benefit from our helping out with the Fog Fest, so please contact Frank, N6FG, to volunteer your time.

Looking forward to October, we will have nominations for Club Officers for 2016. It does not take a lot of time to serve as a Club Officer, so I ask that those who can, to step up and take one of the Officer positions.

In November we have the Election Dinner Meeting, with the details yet to be determined.

I hope to see you at the meeting on September 9th.

73,

Walt-KG6EDY

AUGUST MINUTES

The August 12th meeting was called to order at 7:37 p.m. by our club president, Walt Long-KG6EDY at the Linda Mar Fire Station in Pacifica. Self-introductions by the members and guests followed.

Walt-KG6EDY made a motion which was seconded and passed to correct July Minutes to add the following to the Repeater section: "The new repeaters needs to be set up and then run before it goes up the hill."

TREASURER'S REPORT

Frank Erbacher-N6FG read the report of the Club's financials: \$565.30 in the General Fund, \$2,584.51 in the Repeater Fund; \$744 in the Digipeater/APRS Fund and \$9,070 in the EOC/Public Service Fund. These individual funds total to \$12,967.

The treasurer was paid \$22 for mailing and publication of the Newsletter.

Field Day costs were transferred from the EOC account into the General Fund, Total = \$505.30

MEMBERSHIP

Frank informed the members that CARC currently has 70 members, 67 licensed, 70% ARRL Members and 3 unlicensed.

COMMUNICATIONS

The Short Skip newsletter was received from the Santa Cruz ARA.

COMMITTEE REPORTS

REPEATER

Dave- KF6TWW noted that maybe we should get the new repeaters up on the hill if they are more reliable than the old one. He was reminded that they have not been burned in yet.

AUTO-PATCH

Offline (on the hill) Dave-KF6TWW asked if he should keep the Genentech equipment on-line. Frank-N6FG thought we should to keep it working just in case.

DIGIPEATER

N6TZE reported that it and APRS needs repairs including tower work.

APRS

No Report

EMERGENCY SERVICES

No Report

FIELD DAY

No Report

FOG FEST

Frank-N6FG noted that the event is September 26 and 27 with shifts from 7am to 7pm, and he is looking for volunteers.

NEWSLETTER

Published

WEBSITE

No Report

UNFINISHED BUSINESS

none

NEW BUSINESS

none

ADJOURNMENT

Meeting Adjourned at 8:10 p.m, to refreshments and professor Roy Brixen's -KE6MNJ, presentation on History of Filters in Radio circuits. Contact Roy at rebrixen@well.com if you wish to have a copy of his presentation.

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:

Gary Barnes- KI6HIG, Dave Lawrence- KF6TWW, Roy Brixen-KE6MNJ, Richard Lira-KK6FCC, Lucas Ford-W6AER

Visitors: : Pete Wanger-WA6ECH

Reported by Cheryl Crofts-KJ6RNK

**NEWS****PACIFIC COAST FOG FEST**

SAT & SUN SEPT. 26TH & 28TH

We still need many more volunteers helping at the Fog Fest. As of writing volunteering are: Sat- N6TZE, N6TZF, N6FG, K6IIP and Sun-AJ6J, KF6TWW and N6FG. So we have less than HALF the number of needed volunteers.

Volunteers act as radio dispatchers, directing questions to staff, assign and track the commercial radios and manage the batteries and equipment. We assist in locating personnel and supplies using those radios. If you have participated before, please consider volunteering again this year.

For first timers who might be a bit nervous about stepping up, an experienced person will be with you for at least a portion of your time. Also we try to have two persons on each shift so there are breaks and a chance tour the event. I am often around also. We try to have shifts of 2 hours or less if possible.

This is a fun event, and it gives you great experience honing your skills for communicating in emergencies with amateur radio equipment. More information will be forwarded to you once you volunteer.

The CARC receives a portion of the event proceeds which are divided among all the community groups that participate. That goes into our EOC/Public Service Fund, to assist in our public outreach, emergency preparedness, any needs in the Radio Room at the Police EOC, Field Day expenses, repeaters and other needs that exceed CARC's membership and repeater funding.

This is a Win-Win situation so please contact me if you want to help or I missed you on the list.

Frank Erbacher-N6FG

n6fg@arrl.net Home 650-355-4355 Cell 650-464-3870

ARRL UPDATE**FCC PROPOSES TO FINE OHIO RADIO AMATEUR FOR MALICIOUS INTERFERENCE, FAILURE TO IDENTIFY**

The FCC has proposed levying an \$8000 fine on a Cincinnati, Ohio, radio amateur, Daniel R. Hicks, KB8UYZ, who, at one point, had volunteered to track down the interference he was causing on a number of primarily VHF repeaters. In a *Notice of Apparent Liability for Forfeiture (NAL)* released on August 20, the FCC Enforcement Bureau asserted that Hicks intentionally interfered with other Amateur Radio operators' communications and failed to identify properly. According to the *NAL*, an agent from the Bureau's Detroit office first responded to multiple complaints of interference on various repeaters in April 2014.

"The agent, working with a local amateur group which included Mr Hicks, was unable to locate the source of the transmission," recounted the *NAL*, signed by FCC District Director James Bridgewater. Nearly a year later, in response to continued interference complaints, an agent from the Bureau's Detroit office returned to the Cincinnati area to take another crack at finding the source of the transmissions. "This time, the agent did not advise the local Amateur Radio group that he was in the area," the *NAL* stated. "The agent used mobile direction-finding techniques to locate the source of the transmissions to...the address of record for Mr Hicks' amateur station, KB8UYZ."

ARRL Great Lakes Division Vice Director Tom Delaney, W8WTD, in his role as a spokesperson for the Greater Cincinnati Local Interference Committee, said at first the interference, which began in early 2014, was a nuisance, but later turned obscene and racist. He said his group was able to track the signals to a particular neighborhood, but group members were surprised to learn who was behind the interference.

"We did not know, until the FCC actually caught him, who it was," Delaney told ARRL. "We had our suspicions. We were very close to finding the source but were not quite there, but that helped the FCC." He said Hicks employed a "sophisticated" synthesized voice and very short transmissions across several repeaters to make him difficult to pin down. According to the *NAL*, the agent monitored transmissions emanating from Hicks' station for about an hour and heard the station transmit several recorded messages. "These transmissions prevented other amateur licensees from communicating over the frequency," the *NAL* said. "During the monitoring period, the agent did not hear Mr Hicks transmit his assigned call sign. The transmissions used the call sign of another licensee." Delaney said the holder of that call sign had no idea why Hicks used it.

The FCC said it has determined that the evidence in the case was sufficient to establish that Hicks caused willful and malicious interference and failed to identify using his assigned call sign.

ARRL Update cont.

The Commission proposed a base forfeiture of \$7000 for causing malicious interference and \$1000 for failing to identify properly. Hicks has 30 days to pay the fine or to seek a reduction or cancellation of the proposed fine.

AMATEUR RADIO VOLUNTEERS FACE FIRE THREAT WHILE SUPPORTING EMERGENCY COMMUNICATION

The North-Central Washington town of Republic touts "air you can't see" on its website. That's not the case this week. Wildfires in the US Northwest have not only hampered the air quality and

visibility, but led to a Level 2 evacuation order in the Ferry County community of about 1000 residents. That could rise to Level 3. Amateur Radio volunteers in Ferry County have been on the front lines of the



The Kettle Complex Fire comes over a ridge on August 13.

wildfire emergency there. In Republic, a combination of Ferry County Search and Rescue (SAR), Community Emergency Response Team (CERT), and ARES/RACES volunteers have been supporting communication for a shelter housing some 4 dozen evacuees -- with more to come, according to Ferry County ARES Emergency Coordinator and RACES Radio Officer Sam Jenkins, WA7EC.

"We are now close to our maximum support level for local volunteers," Jenkins told State RACES Officer Monte Simpson, AF7PQ, who also is ARRL Western Washington Section Manager. "We are now expecting to operate for several weeks at the Republic High School. The firefighters say they are going to attempt to defend our emergency operations center/emergency shelter at all costs," Jenkins added. "We are standing our ground."

In addition to being the Ferry County ARES EC and RACES RO, Jenkins explained, he also heads the SAR component of the dual Ferry County SAR-CERT contingent. "I have networked these three units together over time to increase the effectiveness of our small, poor, but valiant teams," he told ARRL. At present, he's working under the RACES banner. Firefighters from several states and British Columbia, Canada, have been working the Kettle Complex of three fires in Ferry County, which covered nearly 60,000 acres as of August 26. No injuries have occurred and no homes have been lost. Support teams from the Washington National Guard are assisting fire managers to ensure safety. West of Republic

near Omak, the Okanogan Complex at more than 280,000 acres is now the largest fire complex in the state's history.



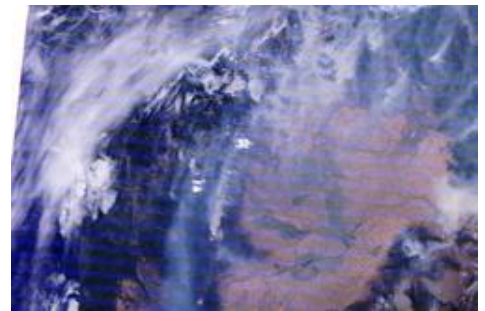
A view of Republic, Washington, via the town's webcam on August 26, shows how smoke from the wildfires has reduced visibility and air quality.

According to the National Interagency Fire Center (NIFC), wildfires continue to burn actively across the West. The NIFC reports that 66 large fires -- or complexes -- have burned

nearly 1.6 million acres in 11 states. Twelve fires are burning in Washington alone.

Jenkins said his team of volunteers would like to have additional support, but, he told Simpson, "I would expect that it is asking a lot for anyone to leave the comfort of their home to travel to a

place where the smoke is so thick you can cut it with a knife, and not know if they would escape." Radio amateurs responding to the wildfire emergencies have been using VHF repeaters as well as HF on 75 and 40 meters, including SSB and digital modes, and IRLP.



An August 26 MODIS satellite image indicates the extent of the wildfire situation in Washington. [Image courtesy of the USDA Forest Service]

"We are doing our best at doing our thing," Jenkins said. "I am concerned about what is happening in our sister counties."

IARU REITERATES COMMITMENT TO COORDINATE SATELLITES ONLY WITHIN INTERNATIONAL BAND PLANS

In apparent reference to efforts by China's Amateur Satellite Group (CAMSAT) to coordinate operating frequencies for nine satellites set to launch in early September, the International Amateur Radio Union (IARU) has made it clear that it will not coordinate frequencies that do not conform with accepted band plans for all three IARU regions. The IARU has informed CAMSAT CEO Alan Kung, BA1DU, that it was only able to coordinate uplink and downlink frequencies for two of the nine spacecraft (CAS-3/XW-2D and E), but it has

ARRL Update cont.

not made that letter public. CAMSAT has said it plans to launch the nine satellites, all carrying Amateur Radio payloads, on September 7 or 8.

"The IARU Satellite Adviser, Hans van de Groenendaal, ZS6AKV, and his advisory panel are mandated to coordinate frequencies within the IARU band plans for amateur satellites," said a public statement released on August 20 by IARU Secretary Rod Stafford, W6ROD. "Coordinated frequencies must comply with band plans that are common to all three IARU regions. Satellites coordinated outside these plans could cause interference to terrestrial amateur operations in other regions."



The IARU statement suggested that the popularity and high occupancy of 2 meters "led to a request by satellite builders for coordination outside the spectrum reserved for satellites in the IARU band plans (145.800-146.000 MHz), as not enough channels are available to satisfy their requirements."

The IARU said that, in theory, satellites could be programmed only to operate while orbiting above their countries of origin, but "because satellite orbits make it difficult to pinpoint operations, spillover to other regions may occur during parts of the orbit. Accordingly, IARU will not coordinate frequencies for satellites which are planned to operate outside the internationally aligned IARU band plans for amateur satellites."

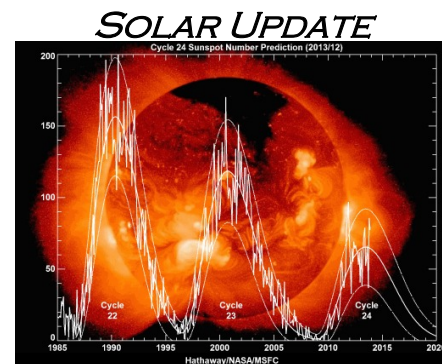
The IARU statement noted that its frequency coordination service aims to "maximize spectrum utilization and avoid possible interference to other satellites and ground stations." The IARU recommended that satellite groups "work on a sharing plan or use other parts of the Amateur Service spectrum designated for satellite operation," and it suggested resurrecting 10 meters -- once popular as a satellite band, but largely unused today -- as one possibility for uplink channels.

"The band segment 29,300-29,510 MHz has been used for Amateur-Satellite downlinks for more than 40 years, beginning with *Australis-OSCAR 5* in 1970 and *AMSAT-OSCAR 6*, AMSAT's first communication satellite, in 1972," the IARU statement noted. Just one amateur satellite actively uses a 29 MHz downlink -- *AMSAT-OSCAR 7*, launched in 1974. Conceding that 29 MHz downlink frequencies "would not be practical for today's very small satellites" due to antenna size considerations, the IARU said the band could be used for uplinks, even with small receiving antennas, because Earth stations can run sufficient transmit power to overcome the disadvantage. "The IARU Satellite Adviser and his panel believe that the 10 meter band offers a good alternative to 2 meter uplinks," the IARU said.

AMSAT President Barry Baines, WD4ASW, said his organization's Advanced Satellite Communications and Exploration of New Technology (ASCENT) initiative is

exploring alternatives to address the proliferation of CubeSats and the resulting pressure on 2 meters and 70 centimeters. He pointed out that the 200 kHz IARU allocation on 2 meters "is not very wide" given the number of satellites being launched, but the use of 10 meters is impractical in this era of CubeSats.

"It is incumbent upon the Amateur-Satellite community to develop new ways of 'keeping Amateur Radio in space' that take advantage of other bands and provide enhanced services through appropriate technologies, given the need to find suitable bandwidth for an increasing number of satellites," Baines told ARRL. He said using digital technology could provide multi-channel capability, and design work is already under way. Transitioning to "underutilized amateur spectrum on higher bands such as 5 GHz and 10 GHz is also a possibility," Baines added, although he was quick to point out that AMSAT does not intend to abandon use of 2 meters and 70 centimeters for its own satellite projects.



Tad Cook, K7RA, Seattle, reports: We saw just one new sunspot group (AR2403) over the August 20-26 reporting week, but it was a big one, directly facing Earth on August 23. Average daily sunspot numbers rose 32.3 points to 69.7, while average daily solar flux increased 28.7 points to 119.7.

The average daily planetary A index dropped from 21.4 to 14.7, compared to the previous 7 days. The most active days were August 23 and 26 when the planetary A index was 28 and 30, caused by streams of solar wind.

At 0012 UTC on August 27 Australia's Space Weather Services issued a geomagnetic warning for increased geomagnetic activity expected on August 27-28 due to a high-speed windstream coming from a coronal hole. On August 27 expect quiet to unsettled conditions with active to minor storm periods, and on August 28 look for active to unsettled geomagnetic conditions.

Predicted solar flux is 125 on August 27-28; 120, 115, and 110 for August 29-31; 105 on September 1-2; 100 for September 3-5; 95 for September 6-9; 90, 85, 95, and 100 on September 10-13; 105 for September 14-19; 120 on September 20-21, and 125 on September 22-24. Solar flux values drop below 100 on October 3-9.

Predicted planetary A index is 16, 18, 12, 8, and 6 for August 27-31; 5, 8, 12, 15, 10, and 8 for September 1-6; 5 for September 7-11; 12 on September 12; 15 on September 13-14;

5, 10, 5, 8, and 20 for September 15-19, and 28, 20, 12, and 18 for September 20-23.

NASA issued a new commentary for the current sunspot cycle, this time with the new V2.0 sunspot numbers, which read higher than the old standard. Historic numbers are being revised to conform with this new standard. Using the new numbering system, the maximum in late 2013 of 72 has been revised upward to 101, and the April 2014 peak of 81.9 was increased to 116.4.

The autumn equinox is September 23 at 0822 UTC, ushering in a new Fall DX season.

AMATEUR RADIO HISTORY

THE HISTORY OF EIMAC

AS TOLD BY JACK MCCULLOUGH-W6CHE
CO-FOUNDER OF EIMAC — PART 10

Editor's Note: The following is Part 10 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

Part 10 – Eimac & Varian

Up until recently the-most powerful tube we ever made was the experimental X-3030 klystron. It produced an output power of one million watts CW at about 8 GMZ. This tube requires an input of 2,000 kilowatts.

The anode voltage is 150 kilovolts at about 15 amperes. This 15 amperes is guided down a drift space of about a quarter inch in diameter for about three feet. If any of the beam current strikes the drift space, instant disaster. The tube used so much power that we could only test it at night or on weekends when the normal load of the plant was off!

By 1957, Eimac was again feeling the need for more space. We bought land in San Carlos and moved into our new plant in 1958. We kept some operation going in San Bruno for a few years. Later another new building in San Carlos specifically designed for high power klystron design permitted us to close the San Bruno plant completely. Some of you may remember the spectacular fire that finally wrote "finis" to the San Bruno plant during the demolition by a wrecking company.

In 1965 Eimac merged with Varian which turned out to be a very happy marriage. The merger has accomplished its primary objective of providing continuity to Eimac after Bill and I were no longer active. As a logical consequence, after several years all microwave tube activity was moved out of Eimac and combined with the substantial microwave activity Varian has at Palo Alto.

Eimac is now essentially a power grid tube activity. Communications Transistor Corporation (CTC) also at San Carlos, is now a dominant force in the power transistor field.

The highest powered tubes are no longer in the microwave area since Eimac recently announced their multi megawatt output power tetrodes. Believe it or not, the majority of these tubes are being used in international high frequency broadcast service. It is fun to roll around on your tongue some of the interesting numbers describing this tube. A 26,000 watt thoriated filament, normal maximum D.C. plate current output

over two million watts. This test amplifier cavity operates around 17 megahertz. Believe me, there has been a temptation to move it over to 14 megahertz for a DX contest. It has also been suggested instead of dumping the two plus megawatts of output power of our test facility into a dummy load we use it to warm the ionosphere as suggested by the current articles in QST and Ham Radio and produce our own artificial radio aurora for use by the Northern California DX Club!

Over the years power grid tube design has been greatly influenced by changes in communication philosophy. Early tubes had low capacity to simplify circuits for High Frequency use. Push pull circuits were common because of ease of neutralization and then almost universal use of balanced R.F. transmission lines. Class "C" operation with high level modulation was normal. More recently, the use of linear amplifiers and coaxial lines have prompted the design of tubes requiring no neutralization and high power gain. The first approach was by using multigrid tubes with the tetrode being the most popular. The grounded grid amplifier using new modern tubes is fast gaining in popularity because of its overall simplicity and stability. As originally conceived, the grounded grid amplifier had quite low power gain but with one advantage -- the additional driving power turned up as useful output power. The more, sophisticated designs we are now using has put the grounded grid amplifier in the same league with tetrodes as far as gain is concerned. The true zero bias grounded grid amplifier is the ultimate in simplicity. No bias supply; no screen supply; no neutralization, still with high power gain!

I am sure I have told you a lot more about Eimac than you ever wanted to hear but this has been an exciting business and to have been a part of this excitement for all these years makes one stop and wonder how we could have been so lucky.

I also wonder what I would have done if I had taken the advice of my high school principal and given up on amateur radio?

I am ending this talk on a nostalgic note. Bill and I retired from Eimac and Varian early this year because we both have passed the mandatory retirement age. While Bill and I still visit Eimac quite frequently, eventually for us all the fun and excitement of Eimac will be left behind. Eimac is quite viable today with good aggressive management that will be around for at least another forty years. Fascinating new products will continue to move from the laboratory into production.

The one ingredient of Eimac's success that has been seldom mentioned has been the story book working relationship between Bill and myself. Counting our stint at Heintz & Kaufman, Bill and I have been working together for forty five years. In all that time we never had a fight!

Occasionally there have been differences of opinion on business or product decisions. We could have some heated arguments but never once has either of us failed to respect the sincere opinion of the other. Usually one or the other of us would be convinced by the merits of the argument. We always mutually agreed on everything we did. If, on the rare occasion when the differences of opinion remained unreconciled, we would just forget the program. We never left a room having any bitter feelings toward one another. We tend to take things for granted. It was not until I was preparing this talk that I realized how unique and how personally rewarding this wonderful relationship between Bill and myself has been.

NAME THAT RIG!



Each month I'll try to post a different radio for you to name.
Best of Luck! Winners get "Bragging Rights"

November's Meeting
is Election Nite at



Rockaway Beach

December's Meeting is our
annual



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

Bay Area Educational Amateur Radio Society
Offering a one day study session for Technician or General theory, followed by testing. Fee: \$30.00
When: September 26, 2015
Where: Chetcuti Room, 450 Poplar Ave, Millbrae, CA 94030
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

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>

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

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



www.smcready.org
cert@pacificapolice.org



In Memoriam



Roger G. Spindler-WA6AFT/SK



THE COASTSIDE AMATEUR RADIO CLUB

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

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

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

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

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

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

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

VHF Net

The club sponsors a VHF net each Wednesday, with the exception of meeting nights, at 21:00 hrs. for membership check-ins, notices, and QST's. Note: The WA6TOW repeater on 441.075 MHz may be used as an alternate if the WA6TOW VHF repeater is down.

HF Net

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



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

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

56 Years



of Service

46 Years



Affiliation

COASTSIDE NETS

Monday

07:30 PM on WA6TOW
146.925 MHZ, PL 114.8
San Bruno ARC Net

Tuesday

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

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

Wednesday

9:00 PM on WA6TOW
146.925 MHZ, PL 114.8
Coastside Amateur Radio Club
Wednesday Night Check-in.

Saturday

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

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

Sunday

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

| CLUB OFFICERS | | | | |
|----------------------|-----------------|--------|----------------|----------------------|
| Office | Name | Call | Phone | E-Mail Address |
| President | Walt Long | KG6EDY | (650) 467-6990 | kg6edy@arrl.net |
| V. President | Ralph Bailey | K6DLZ | (650) 341-6236 | kc6dlz@aol.com |
| Secretary | Cheryl Crofts | KJ6RNK | - | cherylcrofts@aol.com |
| Treasurer | Frank Erbacher | N6FG | (650) 355-4355 | n6fg@arrl.net |
| CLUB STAFF | | | | |
| Control Operator | David Rinck | K6DMR | (650) 359-8997 | k6dmr@arrl.net |
| Emergency Services | Frank Erbacher | N6FG | (650) 355-4355 | n6fg@arrl.net |
| Field Day | Frank Erbacher | N6FG | (650) 355-4355 | n6fg@arrl.net |
| Membership | Frank Erbacher | N6FG | (650) 355-4355 | n6fg@arrl.net |
| Newsletter Editor | David Rinck | K6DMR | (650) 359-8997 | k6dmr@arrl.net |
| Newsletter Publisher | Frank Erbacher | N6FG | (650) 355-4355 | n6fg@arrl.net |
| Station Technician | Michael Herbert | WB6JKV | (650) 355-6541 | wb6jkv@pacbell.net |
| Trustee of Club Call | Frank Erbacher | N6FG | (650) 355-4355 | n6fg@arrl.net |
| Website | Scott Mercer | KI6SEJ | - | ki6sej@arrl.net |



**MEETING
NOTICE:**

**SEPTEMBER 9TH
LINDA MAR FIRE STATION
PACIFICA, CA
7:30PM**

COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:

