



THE COASTSIDE COMMUNICATOR

Vol. 50, No. 1

JANUARY 2018

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

I'd like to wish everyone a Happy New Year!

2017 was quite a year! With all the disasters, it was a year that Amateur Radio played a very important role, and I think was finally recognized as an important link in the broad sense of communications. Amateurs were deployed via ARRL to assist the Red Cross. CERT/Amateur Operators set up portable/remote repeaters to aid communications in the Northern California fires that devastated so many of our communities and the hurricane affected areas of the US & Puerto Rico. Now we have the largest fire in California history in Southern California. Amateur Radio volunteers provided communication for American Red Cross shelters in Ventura and Santa Barbara counties, passing traffic between evacuation centers.

We're getting more bands in the overall Amateur Radio Frequency Band Spectrum. Progress is being made with the FCC & ARRL with new legislation and re-defining existing regulations.

CARC was also busy in 2017; with bringing back on-line the WA6TOW repeater from the storms of 2016/2017. Unfortunately we were not able to bring the 70cm/440 repeater back up also. We saw the formation of a Repeater Replacement Committee, chaired by Roy Brixen-KE6MNJ, and a host of volunteers to define, research, purchase, build and implement new 2m & 70cm repeaters to be installed on the "hill" in 2018.

Many thanks to Mary Ellen-AJ6J and Dave Chamberlin-AE6DC, we adopted and implemented a new shorted, easier to read script for the Wednesday Night CARC Net Check-In.

As President, I don't have a big agenda for 2018, but hope that we all can work together to keep CARC going for a long time to come. I personally would like to have more "Elmer" sessions; DIY's such as the "Yagi" Antenna build that Steve Paganelli-K6YUA hosted and the Fox Hunt that Roy Brixen-KE6MNJ demonstrated for us. Any suggestions are greatly appreciated.

The January & February meetings we will plan our calendar of events/trips for 2018.

I'd like to thank everyone for their participation in the various events and projects that CARC held in 2017.

Tom Oliver-KJ6OGL
Club President



DECEMBER MINUTES

The December 13, 2017 Holiday Potluck Dinner Meeting was called to order at 7:31pm by: President Mary Ellen Scherer-AJ6J, at the Linda Mar Fire Station in Pacifica.

Self introductions by members present followed.

In the Communicator, Frank-N6FG was listed as absent from the Election Dinner, which in fact he was there. Motion made by Carmel Gallagher-KJ6ERS and seconded by Frank Erbacher-N6FG to approve the November Minutes as corrected. Motion was passed by unanimous vote of the membership present.

TREASURER'S REPORT

The Treasurer, Frank Erbacher-N6FG gave financial report: Financials as of 12/13/2017: General Fund: \$2,406.78, Repeater Fund: \$875.70, APRS/Digipeater Fund: \$909.41, EOC/Public Service Fund: \$11,265.11. Grand Total: \$16,457.00.

Frank reported that CARC received a check from Fog Fest in the amount of \$2265. Frank asked which account it should be placed in. It was decided that it should go into the EOC account and funds transferred to the Repeater account when needed. Motion made by Barbara Erbacher-K6IIP and seconded by Walt Long-KG6EDY. Motion was passed by unanimous vote of the membership present.

David Rinck-K6DMR paid the NARC (Northern Amateur Relay Council of California) fees of \$20. He will submit a receipt to the treasurer. Frank stated that in lieu of cash-back payment, he would apply it to Dave's 2018 dues.

CORRESPONDENCE

None

MEMBERSHIP

No report

COMMITTEE REPORTS

REPEATER

Update on current status of WA6TOW repeater from David Rinck-K6DMR - No updates

AUTO-PATCH - No Report

DIGIPEATER - No Report

APRS - No Report

EMERGENCY SERVICES - No Report

REPEATER REPLACEMENT COMMITTEE

Update from Repeater Replacement Committee chair Roy Brixen-KE6MNJ: Roy absent from meeting. Chris Icide-W6EZE stated that Roy has the repeaters at his house and the last he heard from Casey, it that the controller still needs to be programmed. Roy & Casey will coordinate getting those issues resolved.

FOG FEST

As stated in the Financial Report, CARC received a \$2265 check from Fog Fest. Frank reported that all vendors were happy with the assistance CARC provided.

NEWSLETTER

Published

WEBSITE

No report

NET SCRIPT

Using approved script.

UNFINISHED BUSINESS

Mary Ellen-AJ6J asked if anyone has pictures from any of the events of 2017, i.e. Devil's Slide Ride, Field Day, Fog Fest, Election Dinner, etc. to forward them to our webmaster Scott Mercer-KI6SEJ at: KI6SEJ@ARRL.NET.

Frank-N6FG stated it's been about 3-years since a signature card has been updated at the US Bank. The bank wants the old & new officers to do so. Mary Ellen-AJ6J stated that her HOA uses US Bank for its account and the bank only requires that signatures of all approved signatories be on a single card and accompanied by the election result minutes. Frank requested that Mary Ellen follow up and provide him with the name of the person at US Bank her HOA deals with.

Archived issues of The Coastside Communicator were missing. Scott checked his files and does not have those missing issues. Dave Lawrence-KF6TWW stated that he believes he might have the missing issues and would contact Scott.

NEW BUSINESS

Tom Oliver-KJ6OGL has a sign-up sheet to volunteer to host a CARC Wednesday Night Net for 2018. Once complete will forward to Scott to be put up on the website. If anyone is interested in hosting a net, contact Tom at tolover0557@gmail.com.

ADJOURNMENT

Motion made by Walt Long-KG6EDY and seconded by Steve Paganelli-K6YUA to adjourn the meeting at: 7:50p.m. Meeting adjourned.

PRESENT AT THE MEETING

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

Officers President: Mary Ellen Scherer AJ6J, Vice-President: Ralph Bailey-K6DLZ, Secretary: Tom Oliver KJ6OGL, Treasurer: Frank Erbacher-N6FG

Members: Chris Icide-N6EZE, Steve Paganelli-K6YUA, David Rinck-K6DMR, Walt Long-KG6EDY, Barbara Erbacher-K6IIP, Ted Niemira-AI6YN, Dave Conroy-KM6CPF, Carmel Gallagher-KJ6ERS, Trish Bailey-KM6MYI

Guests: None

Submitted by: Tom Oliver-KJ6OGL



NEWS

*ARRL UPDATE***FCC Penalizes Marketer of Ham-Band Drone Audio-Visual Transmitters**

The FCC has imposed a \$180,000 civil penalty on a Sarasota, Florida, company that had been marketing noncompliant audio-visual transmitters intended for use on drones in violation of the Commission's Amateur Service and marketing rules. In an Order released on December 19, the FCC explained that Lumenier Holdco LLC (formerly known as FPV Manuals LLC) was advertising and marketing uncertified AV transmitters capable of operating on both amateur and non-amateur frequencies, including bands reserved for federal government use.

ARRL Update cont.

Some of the transmitters also exceeded the 1 W power limit for Amateur Radio transmitters used on model craft, the FCC said.

"Moreover, entities that rely on amateur frequencies in operating compliant AV transmitters must have an amateur license and otherwise comply with all applicable laws for such operation," the FCC said in the Order. The FCC said that while it generally has not required amateur equipment to be certified if it operates solely on Amateur Radio frequencies, certification is required if a device can operate outside of the ham bands.

Last January, in what it called an "extremely urgent complaint" to the FCC, ARRL targeted the interference potential of a series of audio/video transmitters used on unmanned aircraft and marketed as Amateur Radio equipment. ARRL General Counsel Chris Imlay, W3KD, said those transmitters used frequencies intended for navigational aids, air traffic control radar, air route surveillance radars, and global positioning systems.

In addition to paying a civil penalty, Lumenier, which has admitted to marketing the noncompliant AV transmitters, will enter into a Consent Decree with the FCC to settle the enforcement proceeding and terminate the investigation.

The case stemmed from complaints received by the Enforcement Bureau's Spectrum Enforcement Division. "The investigation revealed that some of the AV transmitters marketed by Lumenier were capable of being operated outside of the authorized Amateur Radio Service bands, including on frequencies reserved in whole or in part for federal agencies, but were not certified or otherwise compliant with the rules," the FCC said in its Order. "These AV transmitters are considered intentional radiators and must comply with the Commission's Equipment Authorization and Marketing rules."

The FCC said that Lumenier ceased marketing the noncompliant transmitters after receiving a Letter of Inquiry from the FCC last April.

The ARRL International Grid Chase Kicks Off with the New Year!

Ready, set, go! The ARRL International Grid Chase 2018 gets under way on January 1 UTC (New Year's Eve in US time zones). The objective of the year-long event is to work stations on any band (except 60 meters) in as many different Maidenhead grid squares as possible, and then upload your log data to ARRL's Logbook of The World (LoTW). Many hams are familiar with grid squares from the VHF/UHF and satellite realms, and everyone lives in one. An online calculator by David Levine, K2DSL, can determine your grid square. Enter a postal address, ZIP code, or a call sign, and the calculator will return the grid square for that location. Each

new grid square contact confirmed through LoTW will count toward your monthly total.

Any contact you make in 2018 can count for your Chase score; as long as the other operators participate in LoTW, you'll get credit automatically when they upload their logs. This means that contest contacts will also count, as will contacts with special event stations, or other on-air activity that uses LoTW to confirm contacts.

There are no restrictions on modes or bands, as long as they are legal. Satellite contacts are valid for the Chase. The event is open to all radio amateurs.

Complete details of the ARRL International Grid Chase 2018 appeared in the December 2017 issue of QST. For more information, contact the ARRL Contest Branch.

Radio Amateur's Invention to Treat Alzheimer's Patients Going to Clinical Trials

Inveterate inventor and radio amateur Eric Knight, KB1EHE, may be on the cusp of medical history as a device he developed in collaboration with a prominent Alzheimer's disease researcher enters clinical trials this month. Both are hoping that the device, which essentially saturates the brain with low levels of RF, may prove to be a viable treatment for the dreaded disease affecting millions.

"Sometimes breakthroughs happen in ways that are unexpected," Knight told ARRL.

Eric Knight, KB1EHE.

Knight learned of experiments that world-renowned Alzheimer's researcher Dr. Gary Arendash was carrying out on mice specially bred to have the disease, exposing them to low levels of RF. Knight said the effects were dramatic, sometimes even reversing the disease's effects in the mice. Borrowing some concepts from his early experiments with small rockets and avionics, he set about developing, and later patented, a device that could provide the requisite RF exposure to the human head.

"In the early 2000s, we were trying to figure out then how to make antennas that would wrap around the airframes of the rockets we were designing," he said, noting that the diameter of his group's space vehicle was about the same as that of a human head. Knight learned that Arendash was attempting to extend his investigations in a similar vein, and eventually they collaborated.

"He came at it from mice and science, I came at it from an aerospace and hobby perspective," said Knight, who patented a device based on a bicycle-type helmet. At the same time, Arendash was developing a similar wearable -- a fabric cap resembling an old-time aviator's headgear.

ARRL Update cont.

Both devices are embedded with small antennas to bathe the brain in electromagnetic radiation in the 900 MHz spectrum set aside for Industrial, Scientific, and Medical (ISM) applications -- some 100 MHz higher than a cell phone's frequency.

"Ironic for sure," Knight said. "Who would imagine that cell phone radio waves could be a potential treatment for Alzheimer's disease?"

Knight, who has no medical background, said the device to be used in the clinical trials consists of the cap plus a palm-sized transmitter and wiring harness worn on the arm. The resulting combination has been dubbed the NeuroEM 1000. Participants will get doses of RF twice a day.

From the Food and Drug Administration's (FDA) standpoint, the clinical trials aim primarily to show that the technology is safe, but Knight said he and Arendash are also looking for data that might demonstrate that the device could be beneficial in treating Alzheimer's. The protocol they've developed goes further than what the FDA requires and includes before-and-after baseline data, with cognitive testing, assays of spinal fluid and blood, and PET scans.

"The hope is that there is a tiny bit of efficacy. Then we can work to refine it," Knight said, adding, "No one is expecting a magic cure."

FCC Proposes \$25,000 Fine for Breaking Now-Voluntary Labeling Rules

The FCC has proposed fining Acuity Brands Inc. of Atlanta, Georgia, \$25,000 for apparently marketing radio frequency devices that were not labeled in accordance with Commission Part 18 rules in place at the time. The FCC issued a Notice of Apparent Liability (NAL) on November 21. Compliance with the particular rule at issue now is voluntary.

"Specifically, Acuity marketed three models of consumer-grade electronic fluorescent lighting ballasts -- two since 2006 and one since 2009 -- that did not have the FCC logo affixed to them," the FCC said in the NAL. Application of the FCC logo, which the FCC no longer requires, was to inform purchasers that a device had undergone compliance testing. The FCC also said Acuity continued to market two models of the ballasts at issue for approximately 6 months after being notified, causing the Commission to up the penalty.

"We take this action today as part of our duty to ensure that radio frequency devices are marketed in accordance with the Commission's rules," the FCC said. "Consistent with this goal, we find it necessary to enforce the rules requiring that devices subject to equipment authorization are properly labeled to inform a consumer that such devices have been tested for compliance under the Commission's technical rules, because

those devices could easily cause interference if they do not conform to those rules."

The AccuPro Model AP-RC-432IP-120-1 ballast.

In January 2016, the Office of Engineering and Technology (OET) conducted tests on Acuity's AccuPro Model AP-RC-432IP-120-1 fluorescent lighting ballast after receiving complaints of interference said to have been caused by the ballasts. The matter was referred to the FCC Enforcement Bureau, to determine whether Acuity marketed the model at issue before receiving equipment authorization.

A footnote in the NAL points out that the use of the FCC logo became voluntary on November 2, but Acuity's alleged violations occurred before that. The FCC adopted a rule that allows the FCC logo to be physically placed on a device at the discretion of the responsible party consistent with §18.209, but "only if [the] device complies with the applicable equipment authorization rules." Presence of the logo "will not obviate the need to provide required compliance information or maintain pertinent records related to device testing," the FCC said in adopting the change.

Acuity submitted test reports showing that the two types of fluorescent lighting ballasts it markets did comply with relevant technical requirements, but the company conceded that three models of its consumer-grade lighting ballasts did not have an FCC logo affixed for nearly 10 years.

ARRL has in the past -- and without response -- complained to the FCC regarding the marketing and sale of interference-causing lighting ballasts, as well as about a lack of required compliance notifications.



AMATEUR RADIO HISTORY

THE WAYBACK MACHINE

by Bill Continelli - W2XOY I

Mention November 22 to many people in the US, and they will immediately associate it with the date that President John F Kennedy was assassinated. But for amateur radio operators, especially those licensed for more than 30 years, it means something totally different: INCENTIVE LICENSING. In a three-stage process starting on November 22, 1967, and ending on November 22, 1969, the FCC instituted "incentive licensing," ostensibly designed to encourage amateurs to upgrade, but in reality a process under which most amateurs lost up to 50% of the frequencies they usually operated. Incentive licensing (or incentive punishment as some have called it) has been blamed for the demise of many American amateur radio equipment manufacturers such as Hammarlund

Wayback Machine cont.

and Hallicrafters, a temporary decline in the number of licensed hams, and bitter feelings against the ARRL and FCC that last to this day. As we approach the 30th anniversary of incentive Licensing, let's take a look at the events that led up to this controversial decision. In order to do so, we must go back to 1951.

Prior to 1951, a rather simple license structure existed in this country. Amateurs had a Class A, Class B or Class C license. Class A conveyed all amateur privileges on all frequencies, including exclusive access to the 75 and 20 meter phone bands. Class A required passing a comprehensive theory exam, and a 13 WPM CW test, which included sending as well as receiving.

Class B conveyed all CW privileges on all bands, and allowed phone operation on 160, 11 and ten meters in the HF spectrum, and on all VHF/UHF frequencies. Note that 75 and 20 phone operation was limited to Class A hams. What about 40 and 15 meters? Well, 40 at that time was CW only. And as for 21 Mc, It wasn't a ham band back then! 15 meters was given to us in 1947 in exchange for the 14.35-14.40 mc segment of 20 meters, but the 15 meter band actually wasn't available to hams until 1952. In addition, 160 meter access was severely restricted at that time because of LORAN Radionavigation and 11 meters was a secondary US only allocation, with limited popularity, so the Class B ham who wanted HF phone action went to ten meters by default. Class B hams passed the same 13 WPM code test as Class A, but a less comprehensive written test.

Class C gave the exact same privileges as Class B, but the exam was given by mail, under the supervision of a Class B (or higher) license, to those who couldn't walk the 175 miles (uphill both ways through the snow!) to a quarterly FCC examination point.

In 1951, the FCC reorganized the entire license structure. Class A was replaced by the Advanced, Class B by the General, and Class C by the Conditional. Three new licenses were created at that time, the Extra, Technician and Novice. The Extra (actually "Amateur Extra") had a 20 WPM code requirement and a written exam more difficult than the old Class A. In order to qualify for the Extra, one needed to be licensed as a Class B or General for at least two years, in addition to passing the test. However, if you held a Class B, or General license (or higher), and you were licensed prior to April, 1917, you could get an Extra with no additional test. Technicians had to pass the General theory and a five WPM CW test. They had privileges above 220 Mc only. Novices had a basic 20 question written exam, the five WPM code test, and limited CW privileges on 80, 11 and two meters, as well as voice privileges on two meters. This was a one-year, non-renewable license. The Advanced was available until December 31, 1952, for upgrades/new licenses, at which time it was withdrawn from availability. Those holding Advanced class licenses could continue to renew, but no new licenses were issued. In 1952-53, the FCC also dropped a couple of

other surprises -- phone operation was allowed for the first time on 40 meters, 15 meters was finally opened, the 14.35-14.4 Mc segment of 20 meters was removed from the amateur service, and, in the biggest bombshell of them all, Generals (former Class B) and Conditionals (former Class C) were given access to all former exclusive Class A phone frequencies. Now, Conditional, General, Advanced and Extra

Class operators had the exact on-the-air privileges. During the 1950s, Novices were given 40 and 15 meter CW privileges in addition to their 80 meter segment and 11 meters was removed. Technicians got six meters in 1955 and the 145-147 Mc segment of two meters in 1959. Technicians could also hold a Novice class license simultaneously.

Many amateurs were unhappy with this structure. Extras complained that they had to go through a two year waiting period as a General or Advanced, had to pass a difficult test, and yet received no exclusive frequencies for their efforts. Advanced class amateurs were upset with the "limbo" status of their licenses, the fact that they no longer held the highest class license, and the fact that they no longer had exclusive use of 75 and 20 meter phone. General, Advanced and Extra class amateurs complained that Novices should not have been given 15 meter CW. The General, Advanced and Extra class hams were also opposed to increasing Technician class privileges, for reasons we will see in our next installment.

In summary, although the vast number of hams were satisfied, a small minority had complaints. And the ARRL listened. In 1963, acting on complaints they claim they received from members and operators in other countries, the ARRL proposed "Incentive Licensing." In an editorial, the ARRL implied that perhaps it was a mistake when the Class B and Generals were given the 75 and 20 meter phone segments.

The ARRL's stand was now clear. Exclusive frequencies must be restored to the Advanced and Extra class amateurs in order to give the Generals an "incentive" to upgrade. Of course, what was left unsaid was that in order to do so, frequencies would have to be taken away from the General class hams.

What was the ARRL's original proposal? How did hams react to it? What was the controversy about the Technician class license that was dragged to the forefront in this battle? Be on board "The Wayback Machine" next time for the answers!

Re-printed with permission. Wayback Machine #13

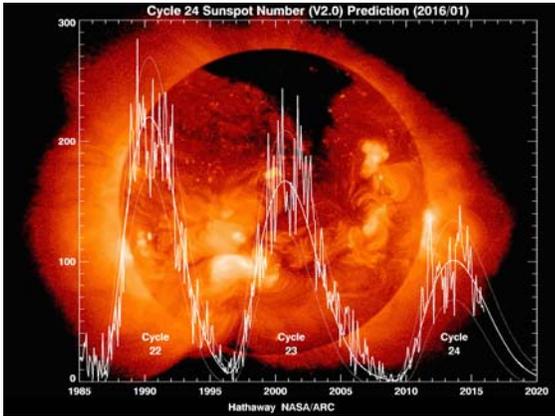
Copyright 1996, 2001 by William Continelli, W2XOY

All rights reserved. These columns were originally written for the Schenectady Museum Amateur Radio Club



***Need to get rid of a rig?
List it in the Trading Post.***

SOLAR UPDATE



Tad Cook, K7RA, Seattle, reports: The first 6 days of the December 14-20 reporting week saw no sunspots. On December 20 one new sunspot group appeared (2692) with a sunspot number of 16. The average daily sunspot number decreased from 6.9 to 2.3 over the previous reporting week.

Average solar flux increased from 71 to 71.5, the average planetary A index went from 7.4 to 9.4, and mid-latitude A index rose from 5.5 to 6.1. Solar flux for the next 45 days is predicted to be 75 on December 21-28; 74 on December 29-January 1; 76 on January 2-5; 74 on January 6-13; 72 on January 14-19; 74 on January 20-28; 76 on January 29-February 1, and 74 on February 2-3.

The predicted planetary A index is 5 on December 21; 8 on December 22-23; 5 on December 24-26; 10 and 8 on December 27-28; 5 on December 29-30; 10, 25, 15, and 10 on December 31-January 3; 5 on January 4-6; 10, 12, and 8 on January 7-9; 5 on January 10-12; 22 on January 13-14; 20, 16, 10, and 8 on January 15-18; 5 on January 19-22; 12 and 8 on January 23-24; 5 on January 25-26; 10, 25, 15, and 10 on January 27-30; 5 on January 31-February 2, and 10 on February 3.



COMING EVENTS

Pacifica CERT (Community Emergency Response Team)
For training and information
<https://pacificacert.samariteam.com/RequestInfo.aspx>
 email: <mailto:cert@pacificapolice.org>

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: 01/20/18

Where: San Francisco

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

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

Web Page: <http://www.amateur-radio.org>

Sat	Jan 13th	Sunnyvale, CA	10:30	AM
Sat	Jan 20th	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 10th	2018 Agenda Planning, LM Fire Station
Feb 14th	Agenda Final, LM Fire Station
Mar 11th	Daylight Savings Time Begins
Mar 14th	LM Fire Station
Apr 11th	LM Fire Station
Apr 20th	Silver Dragon CERT Exercise, 0730-1300 hrs
Apr 29th	Dream Machines, El Granada
May 9th	Field Day Planning Mtg, LM Fire Station
Jun 13th	Field Day Planning Mtg, LM Fire Station
Jun 23-24	CARC Field Day, Sweeney Ridge
Jun 30th	Devils Slide Ride, PARCA Bike Event
Jul 11th	Field Day Wrap-Up Mtg, LM Fire Station
Aug 12th	Back to School Night, LM Fire Station
Sept 10th	LM Fire Station
Sept 22-23*	Pacific Coast Fog Fest, Pacifica
Oct 10th	2019 Officer Nomination , LM Fire Station
Nov 4th	Daylight Saving Time Ends
Nov 10th*	Election Dinner, Nick's, Rockaway Beach
Dec 12th	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



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 20:00 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.

This newsletter contains material from The ARRL Letter as permitted by the American Radio Relay League

Permission may be granted by the editor to reproduce material of this publication. Credit must be given to the author, the Coastsides Communicator, and one copy of the reproduced article is sent to the editor for approval.

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



COASTSIDE NETS

Monday

7:00 PM on WA6TOW
146.925 MHz, PL 114.8
Pacifica CERT Net

7:30 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

8:00 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	Tom Oliver	KG6OGL	(650) 488-0704	toliver0557@gmail.com
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	Carmel Gallagher	KJ6ERS	(650) 670-2322	tlcperrn@sbcglobal.net
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
Control Operator	David Rinck	K6DMR	(650) 355-1778	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) 355-1778	k6dmr@arrl.net
Newsletter Publisher	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Station Technician	Michael Herbert	WB6JKV	(650) 355-6541	wb6jvk@pacbell.net
Trustee of Club Call	David Rinck	K6DMR	(650) 355-1778	k6dmr@arrl.net
Website	Scott Mercer	KI6SEJ	-	ki6sej@arrl.net



MEETING NOTICE:

**JAN 10TH
LINDA MAR FIRE STATION
PACIFICA
7:30PM**

JANUARY MEETING

**2018 CARC
AGENDA PLANNING
MEETING**

COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:

59 Years



of Service