



# THE COASTSIDE COMMUNICATOR

VOL. 51, No. 4

APRIL 2019

WWW.COASTSIDEARC.ORG

## PRESIDENT'S COLUMN

Greetings,

Well, the Pizza Meeting was a success. We had 19 members and guest attend. I managed to keep the business part of the meeting down to 20 minutes. The rest of the time was spent enjoying food, drink, and socializing.

For the April Meeting, we will be back at the meeting room at the Fire Station. I expect Roy Brixen, KE6MNJ, will be doing a presentation on the new repeater controller.

April 18th is World Amateur Radio Day (WARD) celebrating the founding of the International Amateur Radio Union (IARU) in 1925, and Amateur Radio's contributions to society. It's a day to get on the air.

The NARCC Membership meeting is on April 27th, for those who own or operate repeaters. I plan on attending, just to keep the body count up so they can have a meeting.

Dream Machines is on April 28th, and if you would like to volunteer contact the Half Moon Bay Amateur Radio Club.

I hope to see you at the meeting on April 10th.

73,  
Walt, KG6EDY  
Club President



THE 2019 MEMBERSHIP FORMS  
ARE NOW AVAILABLE!

RENEW YOUR MEMBERSHIP  
TODAY!

CONTACT FRANK-N6FG

## MARCH MINUTES

### Call to Order

The March 13, 2019 meeting was called to order at 7:30pm by: President Walt Long-KG6EDY, at the Round Table Pizza, Linda Mar Shopping Center in Pacifica.

Self-introductions by members in attendance followed

Dave Lawrence stated his call was incorrect in the newsletter and he is not a visitor at the previous meeting. Also, Ralph's-KC6YDH call was incorrect in the newsletter. Motion made by Dave Lawrence-KF6TWW and seconded by Gary Barnes-KI6HIG to approve the MONTH minutes as amended. Motion was passed by unanimous vote of the membership present

### TREASURER'S REPORT

The Treasurer, Frank Erbacher-N6FG reported. Did a year-end tax summary. Financial report: General Fund: \$4,441.57, Repeater Fund: \$688.82, APRS/Digipeater Fund: \$1,250.84, EOC/Public Service Fund: \$12,530.11. Grand Total: \$19,911.34.

### MEMBERSHIP

Membership renewals to date: 42 Members, 81% ARRL

### BILLS NEEDING APROVALS

None

### CORRESPONDENCE

None

### COMMITTEE REPORTS

#### CURRENT REPEATER

1. Update on status of WA6TOW repeater from Dave Rinck-K6DMR: Keep losing power and Dave keeps turning it back on. Walt ask if the "grunge" was gender specific.
2. Digipeater - no report
4. APRS - no report
5. Emergency Services - no report
4. APRS - no report
5. Emergency Services - no report

**REPLACEMENT REPEATER**

1. Update on Repeater Replacement Committee progress from Roy Brixen-KE6MNJ: Updates continue to be made. Scott is still willing to have new repeater moved to his house for further testing. Looking at end of April for the move.

**FIELD DAY**

June 29th & 30th

**FOG FEST**

September 28th & 29th

**NEWSLETTER**

Published

**WEBSITE**

Paul-AI6BB has volunteered to help with the website. Walt to contact Scott about offer of assistance. Once calendar has been set for 2019, will send updates to Scott.

**NET SCRIP**

Using approved script.

***UNFINISHED BUSINESS***

A. Walt, Ted & Bill went to the HMB meeting. Changes in ARRL/ARES programs.

B. County Simplex Drill on March 23rd. Walt sent info for registering and operating

C. May 4-5 Relay – looking for new com boss

D. PARCA's Bike Ride, Casey looking for volunteers for Aid Stations/SAG vehicles/foot race. Contact Casey at N6TZE@arrl.net for more information. June 8 is the date.

***NEW BUSINESS***

None

***ADJOURNMENT***

Motion made by Paul-AI6BB and seconded by Bob-W6LOG to adjourn the meeting at: 7:50p.m. Meeting adjourned to enjoy pizza and conversation.

***PRESENT AT THE MEETING***

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

Secretary: Tom Oliver-KJ6OGL, Treasurer: Frank Erbacher-N6FG

Members: Bob Barbitta-W6LOG, Audrey Villyard-WA2KPS, Joshua Villyard-N6TZF, Casey Villyard-N6TZE, Gary Barnes-KI6HIG, Ralph Kugler-KC6YDH, Barbara Erbacher-K6IIP, Dave Lawrence-KF6TWW & Jacquie, Roy Brixen-KE6MNJ, Dave Conroy-KM6CPF, Scott Sutor-KM6SCD & son Richard, Steve Paganelli-K6YUA, Paul Atkins-AI6BB, David Rinck-K6DMR

Submitted by: Tom Oliver-KJ6OGL, Secretary

**NEWS*****ARRL UPDATE*****Modified Digital QST App Now Available for Apple iOS Users**

Apple has released a new app for digital QST (version 5.1) for digital readers that use iOS devices. A long-standing problem involved the inability of some Apple iOS app users to download digital QST issues to their devices. When they attempted to do so, the app crashed. The new app is now available on the Apple iTunes store. Apple also required ARRL to create a new version of the app that allows non-members to purchase individual issues of the QST digital edition.

"Members must update their digital QST apps for the changes to take effect," QST Editor Steve Ford, WB8IMY, explained. "This entails tapping the App Store icon, and then tapping Updates from the store menu. They may have to log in after the update, but should not have to log in after that."

The updated app will be a so-called "in-app purchase" version, which Apple requires ARRL and other publishers to use. "You might think of it as an electronic newsstand. It will allow non-members to purchase single issues of QST for \$6.99," Ford said.

Android and Kindle users and those who view digital QST on desktop or laptop computers will not be affected by this change. Android and Kindle users do not need to update their apps.

**Department of Defense to Transmit Interoperability Exercise Info via WWV/WWVH**

The US Department of Defense (DOD) plans to start making use of a provisional time slot on WWV and WWVH to announce upcoming HF military communication exercises and how the Amateur Radio community can become involved in them. The announcements will occur at 10 minutes past on WWV and at 50 minutes past on WWVH. WWV and WWVH transmit on 2.5, 5, 10, 15, and 20 MHz.

"DOD's use of the broadcast time slot on WWV/WWVH will benefit the MARS program's mission of outreach to the Amateur Radio community," said US Army Military Auxiliary Radio System (MARS) Program Manager Paul English, WD8DBY. "The actual messages to be broadcast are coordinated by the DOD Headquarters that the MARS program supports."

The initial announcements are set for the period from April 20 - May 3, which coincides with the "Vital Connection" interoperability exercise to be held in Wisconsin. Future time slots will coincide with the Vital Connection exercise Ohio in June; DOD COMEX 19-3 in August, and the DOD COMEX 19-4 in October. Following the proof of concept this year, DOD anticipates making use of the WWV/WWVH broadcast time slot full-time, year-round.

At the outset, broadcast messages will likely be static. For future exercises, announcements could be updated throughout an exercise. The messages will direct listeners to a specified website to provide reception reports and feedback.

The reception report will also ask the listener to submit a survey that will be shared among DOD, MARS, and WWV/WWVH personnel. English said that the survey will ask listeners questions about how often they listen to WWV/WWVH signals, how they use them, and what types of messages they would like to hear, but he notes that the survey is still under development.

"We want to provide feedback to WWV/WWVH to improve situational awareness of who is using their service and how it's being used, as well as future considerations," English said.

### **RRL Representatives to Attend Annual National Association of Broadcasters (NAB) Convention**

ARRL will be well represented at the annual National Association of Broadcasters (NAB) Convention, April 6 - 11, in Las Vegas. ARRL CEO Howard Michel, WB2ITX, and Communications Content Producer (and co-host of ARRL's new podcast, "So Now What?") Michelle Patnode, W3MVP, will be attending. Nevada Section ARRL volunteers, under the guidance of Section Manager John Bigley, N7UR, will be on hand to greet visitors at the ARRL booth (#LN1).

Those tending the ARRL exhibit will offer information on how to get involved in ham radio, become an ARRL member, and take advantage of ARRL services. They'll also offer information on licensing, operating activities, and other topics. The NAB show draws hundreds of hams involved with media, technology, and entertainment, and features nearly 1,700 exhibitors and numerous workshops and classes.

The NAB show also features the Amateur Radio Operators Reception, co-sponsored by Turner Engineering, Inc., and Nema Electronics, Wednesday, April 10, 6 - 8 PM at the Westgate Las Vegas Resort and Casino. The event offers a relaxed evening of discussing broadcasting-related matters, camaraderie, and prizes (including ARRL publications).

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### **Comet Named after Hawaiian Radio Amateur**

Heather Flewelling, WH6FTQ, recently had the honor of lending her name to a newly spotted comet. A planetary defense researcher, Flewelling is a relatively new ham who upgraded to Amateur Extra class at ARRL Field Day 2018. She was working on an asteroid impact early warning system being developed by the University of Hawaii's Institute for Astronomy, funded by NASA, when she saw the comet. The International Astronomical Union (IAU) Minor Planet Center designated Comet Flewelling (Comet 2019 D1) on March 21.

"I'm a new ham (not yet a year)," Flewelling told ARRL. "I never knew it would be such a fun and exciting year for me!" Flewelling just began working in a small group, called the Asteroid Terrestrial-Impact Last Alert System (ATLAS). Its two 0.5-meter telescopes are dedicated to surveying the sky and finding near-Earth asteroids. "We occasionally find comets, and, in certain circumstances, you can get one named after you. You have to be first to report it, and it needs to be a new, unknown comet," she explained.

Flewelling is quite active on VHF/UHF, and she enjoys hiking and Summits on the Air activations. "I've helped out multiple times for SKYWARN activations, and I'm one of the net controls for the daily net on the local repeaters here. I'm starting to get my station together for HF, but it's tricky, and I'm cheap, and I desperately want whatever I do to be the cheapest, weirdest, why-would-you-do-that solution," she said.

One of her greatest accomplishments is working with her team to create the Pan-STARRS1 astronomical database, the world's largest. Flewelling's background is in physics, and she holds a PhD in that discipline from the University of Michigan.

"Ham radio is a hobby I should have gotten into years ago," she said on her QRZ.com profile. "As a kid, I would build crazy antennas at my mom's house, in order to pick up 'far away' FM broadcast stations and TV stations. I don't think I heard about ham radio until I was an adult, and then a combination of either lack of time or lack of money prevented me from getting into the hobby." She said an inexpensive SDR she purchased on the internet and the availability of "cheap" radios is what finally got her into Amateur Radio.

### **The FCC has placed three Amateur Radio-related Petitions for Rule Making (PRMs) on public notice and has invited comments.**

Jerry Oxendine, K4KWH, of Gastonia, North Carolina, wants the FCC to clarify that state and localities should have no authority to regulate Amateur Radio with respect to enacting "distracted driving" statutes. In his Petition for Rule Making, now designated as RM-11833, Oxendine contends that such statutes violate FCC rules on scope and operation of equipment by licensees; violate the intent of the FCC and Congress with respect to Amateur Radio's role in disasters, and hinders emergency operations using mobile equipment.

"There is no evidence that the operation of two-way radio has but an insignificant impact on 'distracted driving,'" Oxendine stated.

Such distracted driving statutes usurp the authority of the FCC to regulate Amateur Radio, as well as Citizens Band and Part 90 Land Mobile Service users, Oxendine said in his Petition.

Edward C. Borghi, KB2E, of Farmington, New York, has submitted a Petition, now designated as RM-11834, that would prohibit applicants from requesting a vanity call sign outside their call sign district. Exceptions would be made for call signs applied for under rules governing call signs previously held by family members.

"In some more populous areas, there are few of the most desirable vanity call signs available — the 2 and 6 regions for example," Borghi said. "I see no reason for a licensee to have to compete with out-of-area people for the few 1 × 2 or 2 × 1 or catchy 2 × 3 call signs available in their area of residence," Borghi told the FCC.

Jeffrey Bail, NT1K, of West Springfield, Massachusetts, has submitted a very similar Petition, now designated as RM-11835, asking that the FCC give residential preference in competing applications to applicants whose listed FCC

address is within the same district/region as the applied call sign. He cites limited availability and increased demand for 1 × 2 and 2 × 1 call signs.

"There are many times a call sign has been awarded to an individual/club who resides outside of the call sign district when there are other people who applied for the same call sign that reside within the district," he said in his brief petition.

### **Frequency Measuring Test Success Does Not Require Sophisticated Equipment**

On April 12, ARRL will conduct its next Frequency Measuring Test (FMT), a tradition that dates back to 1931. In that era, prospective participants were promised "a pleasant and profitable experience" and advised that taking part in the FMT would be a form of insurance against out-of-band operation "and the unpleasant consequences that follow." Official Observers and Official Relay Stations were required to participate in the FMT or offer a very good excuse. WIMK -- the predecessor to W1AW -- was one of a dozen or so transmitting stations. The 80- and 40-meter frequencies were confirmed through an arrangement with the US Department of Commerce Radio Division.

Accurate frequency measurement -- at least to the degree that radio amateurs rarely worry about operating outside of an amateur allocation -- is now almost a given. But today's FMT leaders are able to accurately measure beyond the number of decimal places (out to five) a typical transceiver will display. FMT announcements may conjure visions of a vast array of sophisticated laboratory equipment. While some of the most successful stations did have laboratory-grade gear, others got quite close with far less.

FMTs take place in April and November. The November 2018 FMT results are available on the ARRL website.

Tom Wilheit, WX4TW, one of those measuring the 80- and 40-meter frequencies of transmitting station K5CM on November 8 to within 1 Hz or less, reported using an Elecraft KX3 transceiver and Spectrum Lab audio spectrum analysis software. Others applied a similar approach. James Keeth, AF9A, reported using an "openHPSDR Mercury receiver, a 10 MHz OCXO reference calibrated against CHU and WWV, and WSJT-X frequency mode for measurements."

Jim Michener, K9JM, depended on his Elecraft K3 and tuning forks to get within 1 Hz of the mark on both bands. Grady Harper, AJ4YA, got extremely close by zero-beating the signal on his K3 and adjusting the measured frequency "to correct for errors in [his] tuner."

"This is my first try with this type of adjustment," Harper said. "The fractional part of the Hz is based on length of time between beats. I guessed at this part."

Connie Marshall, K5CM, offers information on his website on how to measure the frequency of a carrier. Articles in QST have also covered this topic.

The April 2019 FMT will get under way at 0200 - 0225 UTC on April 12. The 40-meter frequency will be in the vicinity of 7065 kHz, and the 80-meter frequency will be in the vicinity of 3599 kHz. Details are on page 94 of the April 2019 issue of QST.



## ***AMATEUR RADIO HISTORY WAYBACK MACHINE***

***BY BILL CONTINELLI - W2XOY***

If there was a buzzword to describe amateur radio in the first three months of 1958, it was "satellite". The Russians had launched Sputnik in November 1957. Thousands of hams tuned in the weak beacon from the satellite on 20 and 40 MC. Amateur Radio received a lot of publicity, as across the nation, many local papers ran articles on the hometown hams and the "signals from space". Many amateur operators were also busy building converters for 108 MC, as the U.S. Army Signal Engineering Labs in Fort Monmouth, N.J. had a 50kw transmitter on that frequency to bounce signals off the moon. The antenna was a 60 foot dish. Those lucky enough to hear it received a special QSL. Also on 108 MC was the first U.S. satellite, Explorer, launched in February 1958. Hundreds of reports were received by the ARRL from those who heard it. Amateur Radio was growing in 1958. The total number of hams was over 160,000, with predictions that we would go over 200,000 by 1960. ARRL membership was also at its highest ever, 60,000. In fact, there were so many hams, the FCC was running out of callsigns. The traditional 1x3 calls beginning with "W" or "K" were almost completely used up, especially in the 2nd and 6th call areas. To alleviate the problem, the FCC began the 2x3 format. Henceforth, new

Technician, General and Extra Class callsigns would begin with "WA", while Novices would get "WV". The large growth in the number of licenses was partly due to the popularity of the Novice and Technician Class. Novices had 50 KC on both 80 and 40 meters, a full 150 KC on 15, and voice privileges on the 145-147 MC portion of 2 meters. The Technician Class license, which had started out with only 220 MC and above, had been given 6 meters in 1955. With the sunspots at their peak in 1958, thousands of Novices and Technicians were on 15 and 6, working worldwide DX, and getting WAC, WAS, and even DXCC awards. This upset some higher class licensees, some of whom demanded a reduction in the number of frequencies available to the Novice and Technician. No frequencies were taken away, however, the ARRL went on record as being against giving Technicians

any 2 meter privileges. It wasn't until the 1970's that Technicians would finally get the full 2 meter band.

Early in the year, the ARRL filed a strong opposition to a proposal to remove Amateurs from the 11 meter band and establish a "Citizens Radio Service" there. Granted, the band was lightly used by hams; it wasn't a worldwide allocation, and there was interference from Industrial, Scientific and Medical devices on 27.12 MC, still it was OUR BAND, and the ARRL made a good argument for keeping it. The FCC was expected to make a decision by the summer.

In technical developments, slow scan TV was first described in the August, 1958 issue of QST. Transistors were coming out of the purely experimental stage, and were starting to show up in practical circuits. There were several all transistor power supply and modulator projects, and even a transistorized 10 meter "walkie-talkie".

Mandatory in any 1958 amateur base station was a broadcast band receiver. Why? In a word, CONELRAD. CONELRAD was the predecessor to the Emergency Broadcast System. It used key stations which would broadcast emergency messages on 640 or 1240 KC. Every amateur station had to monitor 640 or 1240 KC while on the air. Mobile operators in contact with a base station did not have to monitor CONELRAD.

Speaking of mobile, do you want to try it? Just remember these simple 1958 FCC rules: "Notices are required to the FCC Engineer-in-Charge of the Districts wherein the mobile or portable operation is contemplated, when such operation shall be in excess of 48 hours without return to the home address. Also, please remember to include the portable location or mobile itinerary, the dates of the beginning and end of each period of operation away from home, and the registry or license number of the vessel, vehicle, or aircraft from which mobile operation is to occur." Got that?

If you still want to try mobile, then consider the new Collins KWM-1 mobile transceiver. Its a 175 watt input SSB/CW rig which covers the 20, 15, 11, and 10 meter bands. You can get it for \$695. Let's take a look at the other 1958 rigs out there. Hallicrafters had several receivers, the SX-99 at \$150, SX-100 for \$295, and the SX-101 at \$395. On the transmitter side, there was the HT-32, a 144 watt input AM/SSB/CW unit which covered the 80, 40, 20, 15, 11, and 10 meter bands for \$675. Johnson "Viking" transmitters ranged in price from \$55 for a basic CW kit to \$950 for a 600 watt SSB/AM/CW assembled unit. You can choose a good companion receiver from Hammarlund, from the HQ-100 (\$170) to the HQ150 (\$294) to the all new HQ160 (\$379). For VHF operators, the Gonset "Communicator III", an AM rig for 6 or 2 meters was introduced at \$270. It was CD approved, of course. Clegg had the Model 62T10, a 2-6-10 meter transmitter. On the budget side, perfect for the Novice, was the new National NC-60 general coverage receiver for \$60. Heathkit, of course, had some excellent bargains, from the DX-20 CW rig (\$35), to the DX-40, a 75 watt AM/CW rig for 80-10 meters (including 11 meters) at \$65, to a general coverage receiver for only \$30. All of the above were kits, of course.

How many Radio Shack stores were there in 1958? Two!! (Boston, Mass and New Haven, Conn.). Radio Shack had a 6

transistor portable radio for only \$29.95, which was "perfect for monitoring CONELRAD"

But the BIG NEWS in 1958 came from Collins. Late in the year, they introduced the S/Line of equipment. Collins took out glorious, exquisite, multi page, full color ads in QST to show off the 32 S-1 transmitter, the 75 S-1 receiver, and the 30 S-1 linear amplifier. A new standard had been set in amateur radio, and sideband was here to stay.

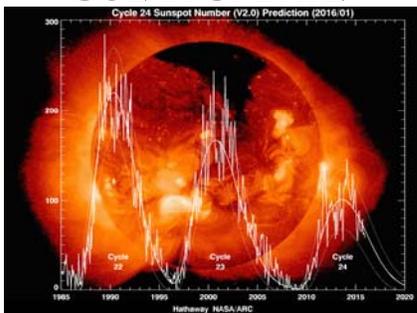
On September 11, 1958, the FCC came to a decision: "our" 11 meter band would be removed from us and turned over to the new Class C and Class D Citizens Band. A new concept was developing; that access to the airwaves should be made available to individuals for non-technical, non-hobby personal communications. It was the dawn of a new era.

In our next installment, we'll look at amateur radio in the early 60's. I hope you will join me.

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## SOLAR UPDATE



Tad Cook, K7RA, Seattle, reports: Sunspots have been coming and going lately, and this week they returned. No sunspots were seen January 31 - March 4, March 13 - 17, or March 25 - 30. They returned on March 31 and have been visible every day since.

The average daily sunspot number declined from 16 to 9.4 over the reporting week. Average daily solar flux dropped from 75.2 to 69.5. Average daily planetary A index rose from 3.7 to 8.4, while average middle latitude A index went from 3.9 to 7.3.

Predicted solar flux is 70 on April 4 - 6; 72 on April 7 - 10; 70, 69, and 69 on April 11 - 13; 70 on April 14 - 22; 69, 68, 69, and 69 on April 23 - 26; 70 on April 27 - May 7; 69 on May 8 - 10, and 70 on May 11 - 18.

Predicted planetary A index is 12, 10, 10, 12, and 8 on April 4 - 8; 5 on April 9 - 11; 15 and 8 on April 12 - 13; 5 on April 14 - 23; 10, 8, 5, 8, 10, and 8 on April 24 - 29; 10 on April 30 - May 1; 8 on May 2 - 3; 10 on May 4; 5 on May 5 - 8; 15 and 8 on May 9 - 10, and 5 on May 11 - 18.

## 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

3<sup>rd</sup> Wednesday of every month  
1909 El Camino Real Redwood City, CA.  
No host. 11:00AM to 1:00PM (approx).

### ASVRO Silicon Valley Electronics Flea Market

2<sup>nd</sup> Saturday of each month from March through October.  
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: \$35.00

**When:** Sat April 20th

**Where:** Redwood City CA

Former Credit Union Building 555 Marshall St.  
Redwood City, CA 94063

*Registration required, class size is limited.*

Web Page: <http://www.baears.com/> for info and registration.  
Questions: Ross Peterson (650) 349-5349 or [wb6zbu@arrl.net](mailto:wb6zbu@arrl.net)

### Silicon Valley Volunteer Examiner Group

First and third Saturdays of each month, 8AM-11:00AM.  
Saratoga Fire Station 14380 Saratoga Ave, Saratoga, CA  
Fee: \$15

Walk-ins only, No pre-registration

- 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

Sat Apr 13th Sunnyvale, CA 10:30 AM

Sat Apr 20th Redwood City, CA 10:30 AM

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



## 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 9th	2019 Agenda Planning, LM Fire Station
Feb 13th	Agenda Final, Repeater Controller LM Fire
Mar 10th	Daylight Savings Time Begins
Mar 13th	LM Round Table Pizza 1400hrs
Apr 10th	Repeater Controller LM Fire
Apr 28th	Dream Machines, El Granada
May 8th	Field Day Planning Mtg, LM Fire Station
Jun 8th	Devils Slide Ride, PARCA Bike Event
Jun 12th	Field Day Planning Mtg, LM Fire Station
Jun 22-23	CARC Field Day, Sweeney Ridge
Jul 10th	Field Day Wrap-Up Mtg, LM Fire Station
Aug 14th	LM Fire Station
Sept 11th	LM Fire Station
Sept 28-29	Pacific Coast Fog Fest, Pacifica
Oct 9th	2020 Officer Nomination , LM Fire Station
Nov ?	Election Dinner, Nick's, Rockaway Beach
Dec 11th	Holiday Potluck Dinner Meeting, LM Fire

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



[www.smcready.org](http://www.smcready.org)  
[cert@pacificapolice.org](mailto: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.

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

*60 Years*

*50 Years*



*of Service*

*Affiliation*

## 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



**MEETING  
NOTICE:**

**APRIL 20TH  
LM FIRE  
PACIFICA  
7:30PM**

**NEW REPEATER CONTROLLER  
REPEATER CONTROLLER  
BASICS W/ EXAMPLES**

CLUB OFFICERS			
Office	Name	Call	E-Mail Address
President	Walt Long	KG6EDY	(650) 992-9491
V. President	Bill Lillie	N6BCT	(650) 726-3630
Secretary	Tom Oliver	KG6OGL	(650) 488-0704
Treasurer	Frank Erbacher	N6FG	(650) 355-4355
CLUB STAFF			
Control Operator	David Rinck	K6DMR	(650) 355-1778
Emergency Services	Frank Erbacher	N6FG	(650) 355-4355
Field Day	Frank Erbacher	N6FG	(650) 355-4355
Membership	Frank Erbacher	N6FG	(650) 355-4355
Newsletter Editor	David Rinck	K6DMR	(650) 355-1778
Newsletter Publisher	Frank Erbacher	N6FG	(650) 355-4355
Station Technician	Michael Herbert	WB6JKV	(650) 355-6541
Trustee of Club Call	David Rinck	K6DMR	(650) 355-1778
Website	Scott Mercer	KI6SEJ	-

## COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:

