



THE COASTSIDE COMMUNICATOR

VOL. 51, No. 12

DECEMBER 2019

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Greetings,

It's December, and time for our annual Pot-Luck Dinner Meeting, at the Fire Station. Please bring a dish to share. We will start with the food, and eat during the meeting. I expect the food to outlast the meeting.

We had the Election Dinner Meeting at the Sharp Park Golf Course Restaurant. was also our election Meeting.

There were no surprises on who was elected:

President: Dave Lawrence, KF6TWW
Vice Pres.: Paul Atkins, AI6BB
Secretary: Tom Oliver, KJ6OGL
Treasurer: Frank Erbacher, N6FG

We also honored our new Lifetime Member, Frank Erbacher, N6FG. We also presented Frank with a copy of an ARRL Brick, that was placed in the Centennial Plaza back in Connecticut. I want to thank all the Club Members who donated to the Brick.

I want to thank all my supporting staff this year: Vice President Bill Lillie, N6BCT; Secretary Tom Oliver, KJ6OGL; Treasurer Frank Erbacher, N6FG; Newsletter Editor Dave Rinck, K6DMR; Our New Webmaster Paul Atkins, AI6BB; The Repeater Replacement Committee; and the others who work in the background keeping the Club going.

I also want to thank Dave Lawrence, KF6TWW, for stepping up and taking on the role of Club President for 2020.

I hope to see you at the meeting on December 11th.

73,
Walt, KG6EDY
Club President

NOVEMBER MINUTES

CALL TO ORDER

The November 18, 2018 Election/Dinner Meeting was called to order at 6:40pm by: President Walt Long-KG6EDY, at the Sharp Park Country Club Restaurant in Pacifica.

Self-introductions

Introductions by members in attendance

Minutes

Motion made by Dave Rinck-K6DMR and seconded by Paul Atkins-AI6BB to approve the October minutes as posted in The Coastside Communicator. Motion was passed by unanimous vote of the membership present.

TREASURER'S REPORT

The Treasurer, Frank Erbacher-N6FG will give a financial report at the December meeting.

MEMBERSHIP

No Report

BILLS NEEDING APROVALS

Nothing Reported

Correspondence

None

COMMITTEE REPORTS

(Unless there is a motion to table Committee Report to December) –

Motion made by Frank Erbacher-N6FG & seconded by Casey Villyard-N6TZE to table to the December meeting. Motion was passed by unanimous vote of the membership present.

CURRENT REPEATER

1. Update on status of WA6TOW repeater from Dave Rinck-K6DMR:
2. APRS – No report
3. Emergency Services – No Report

Replacement Repeater

1. Update on Repeater Replacement Committee progress from Roy Brixen-KE6MNJ:

NEWSLETTER - Published

WEBSITE – Up and running

Event Calendar:

- Field Day – June 27-28, 2020
- Fog Fest – September 26-27, 2020
- Unnamed SMCo Health Dept. Event (November 21st)

UNFINISHED BUSINESS

Donation of Funds – From the October meeting, a motion was made by Mike Herbert-WB6JKV with a second from Frank Erbacher-N6FG to donate \$1,000 to CARLA. A vote was called for and the motion passed.

NEW BUSINESS

Election of Officers for 2020 – No opposition or contest to members nominated for office: President-Dave Lawrence-KF6TWW, Vice-President-Paul Atkins-AI6BB, Secretary-Tom Oliver-KJ6OGL, and Treasurer-Frank Erbacher-NA6FG. Tom Oliver-KJ6OGL questioned if Bill Lillie-N6BCT had declined re-election as VP. Outgoing President Walt Long-KG6EDY stated that he had been contacted and declined re-election. A motion was made by Dave Rinck-K6DMR and seconded by Roy Brixen-KE6MNJ to vote on all offices together. Motion was passed by unanimous vote of the membership present. All nominees were unanimously voted on and accepted. New officers take office January 1, 2020.

Frank Erbacher-N6FG would like to donate funds for new radios and affiliated equipment to Pacifica PD's EOC. This is pending a written request from the Pacifica CERT Radio Group.

Adjournment

Meeting adjourned at 7:18pm to enjoy dinner.

Present at the Meeting

Officers: President: Walt Long-KG6EDY, Vice-President: Absent, Secretary: Tom Oliver-KJ6OGL, Treasurer: Frank Erbacher-N6FG

Members: Mike Herbert-WB6JKV, Paul Atkins-AI6BB, David Rinck-K6DMR, Casey Villyard-N6TZE, Audrey Villyard-WA2KPS, Dave Lawrence-KF6TWW, Barbara Erbacher-K6IIP, Ralph Kugler-KC6YDH, Roy Brixen-KE6MNJ, Carmel Gallagher-KJ6ERS

Guests: Jacquie Lawrence, Judie Oliver

Submitted by: Tom Oliver-KJ6OGL, Secretary

ADJOURNMENT

Dave Lawrence, KF6TWW, moved to adjourn the meeting at 8:04 p.m. The motion was seconded by Frank Erbacher, N6FG. Meeting adjourned.

PRESENT AT THE MEETING

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

Present at the Meeting Officers: President: Walt Long-KG6EDY, Treasurer: Frank Erbacher-N6FG Members: Dave Lawrence KF6TWW, Ralph Kugler KC6YDH, David Rinck K6DMR, Paul Atkins AI6BB, Ted Niemira K6TET, Mike Herbert WB6JKV.

Submitted by: Walt Long, KG6EDY, Club President

***ARRL UPDATE*****ARRL to Oppose Proposal to Eliminate 3.3 - 3.5 GHz Amateur Allocation**

At its December 12 open meeting, the FCC will consider adopting a Notice of Proposed Rulemaking (NPRM) that proposes to remove the amateur radio 9-centimeter allocation at 3.3 - 3.5 GHz. ARRL plans to comment in opposition to the proposed action. According to an FCC "Fact Sheet," the proceeding WT Docket 19-348, "Facilitating Shared Use in the 3.1 - 3.55 GHz Band," is a follow-on from the MOBILE NOW Act, approved by the 115th Congress, which requires the FCC and the US Department of Commerce to make available new spectrum for mobile and fixed wireless broadband use. It also requires the FCC to work with the National

Telecommunications and Information Administration (NTIA) to evaluate whether commercial wireless services and federal incumbents could share spectrum between 3.1 and 3.55 GHz. NTIA manages spectrum allocated to federal government users.

"This Notice of Proposed Rulemaking would propose to remove the existing non-federal allocations in the 3.3 - 3.55 GHz band as a step towards potential future shared use between federal incumbents and commercial users," the FCC Fact Sheet explains. "By taking the initial step needed to clear the band of allocations for non-federal incumbents, the Commission furthers its continued efforts to make more mid-band spectrum potentially available to support next generation wireless networks."

The NPRM proposes to clear the 3.3 - 3.55 GHz band of existing non-federal users by removing non-federal secondary radiolocation and amateur allocations [emphasis added] in the 3.3 - 3.55 GHz band and to relocate incumbent non-federal users out of the band. The FCC would seek comment on relocation options and "transition mechanisms" for incumbent non-federal users, either to the 3.1 - 3.3 GHz band or to other frequencies.

Regarding the Amateur and Amateur-Satellite Service allocations, the FCC NPRM asks whether existing amateur spectrum in other bands might support operations currently conducted in the 3.3 - 3.5 GHz band. The 3.40 - 3.41 GHz segment is designated for amateur satellite communication. "We seek comment on the extent to which the band is used for this purpose, whether existing satellites can operate on other amateur satellite bands, and on an appropriate timeframe for terminating these operations in this band," the FCC NPRM says.

Also at its December 12 meeting, the FCC will consider another NPRM in WT Docket 19-138 that would "take a fresh and comprehensive look" at the rules for the 5.9 GHz band. The amateur radio 5-centimeter allocation is 5650.0 - 5925.0 MHz, and the NPRM, if approved, would address the top 75 MHz of that amateur secondary band. ARRL will also file comments opposing any changes affecting the 5-centimeter amateur allocation.

Both draft FCC proposals are subject to change prior to a vote at the December 12 FCC meeting.

President Rick Roderick, K5UR, Heads ARRL Group on FCC Visits

President Rick Roderick, K5UR, and members of the ARRL Board's Executive Committee undertook a round of visits to FCC Headquarters in Washington on November 4 and 5. Topics focused on a number of pressing amateur radio-related issues. In addition to Roderick, members of the ARRL contingent included Atlantic Division Director Tom Abernethy, W3TOM; New England Division Director Fred Hopengarten, K1VR; Roanoke Division Director Bud Hippisley, W2RU; West Gulf Division Director John Robert Stratton, N5AUS, and ARRL Washington Counsel David Siddall, K3ZJ.

Digital Data Symbol Rate Proceeding

The ARRL delegation emphasized the overwhelming support for and need to remove symbol rate limits from the amateur rules, contending that the limits are outdated, no longer serve their original purpose of limiting signal bandwidth, and inhibit experimentation and development of digital communications techniques. Removing these limitations would also allow US radio amateurs to join those in other countries in using methods not permitted in the US.

In 2016, the FCC had responded to ARRL's petition for rulemaking (RM-11708) by proposing no bandwidth limit. The ARRL delegation reiterated that adopting a 2.8 kHz maximum bandwidth in place of the symbol rate limit would promote sharing and experimentation below 30 MHz.

The ARRL representatives also discussed issues that some have raised -- and on which the FCC did not request comment -- alleging that certain types of digital signals are "encrypted" because they are digitally compressed or otherwise can be difficult to receive over the air. The ARRL group pointed out that the FCC addressed the use of new digital techniques in 1995, amending its rules to authorize new digital techniques without prior FCC approval, as long as these were publicly documented consistent with three techniques specifically approved at the time. Since then, multiple digital methods have been developed and deployed without substantive complaints of insufficient documentation, the ARRL team noted.

The prohibition on encryption is a provision of the ITU *Radio Regulations* and applies worldwide. The FCC regulation prohibiting "messages encoded for the purpose of obscuring their meaning" comes directly from the ITU *Radio Regulations*, language adopted at World Radiocommunication Conference 2003 (WRC-

03) to replace a provision that limited amateur communications to "plain language." Adoption of this change made clear that amateur communications encoded for digital transmission are authorized internationally as long as they're not encrypted. It was noted that techniques some commenters have targeted are widely used by amateurs around the world.

60-Meter Band Allocation

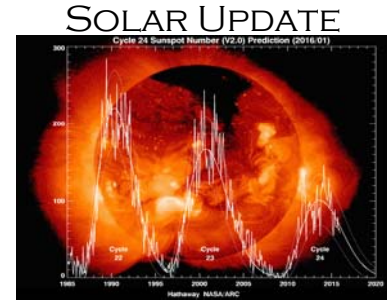
ARRL petitioned the FCC in [RM-11785](#) to implement provisions adopted at WRC-15 that provide for a secondary amateur allocation at 5351.5 - 5366.5 kHz. ARRL also proposed that 100 W ERP be permitted on the new band, consistent with that authorized for the current five 60-meter channels.

The National Telecommunications and Information Administration (NTIA) has proposed in a letter to delete the existing four channels and substitute a secondary band allocation at a maximum permitted power of 15 W EIRP (9.1 W ERP), as approved at WRC-15. The ARRL delegation expressed concern that NTIA's proposal would require relocation of existing channelized amateur activity to a 15 kHz band at a fraction of the power now authorized, despite an absence of any reported interference on the current channels. ARRL also expressed concern that 9.1 W ERP would hamper emergency communication on the band, especially during hurricane season, when noise levels are usually high.

The FCC is expected to issue a *Notice of Proposed Rulemaking (NPRM)* in December or early next year addressing 60 meters and inviting comments.

Amateur Radio Enforcement

ARRL Executive Committee members met with FCC Enforcement Bureau Chief Rosemary Harold and her senior staff to discuss amateur enforcement. The delegation updated progress in setting up the Volunteer Monitoring Program pursuant to the FCC/ARRL *Memorandum of Understanding (MOU)* signed last March. The program is in the final stages of training volunteers and is expected to be brought online in early 2020.



Tad Cook, K7RA, Seattle, reports: No sunspots again this week. This run of zero sunspots has gone on for more than 3 weeks.

Average daily solar flux for the November 28 - December 4 reporting week was 70.2. The predicted solar flux for every one of the next 45 days is 70. The predicted planetary A index is 5 on December 5 - 7; 8 on December 8 - 9; 5 on December 10 - 12; 6 on December 13; 5 on December 14 - 17; 12, 10, 8, and 8 on December 18 - 21; 5 on December 22 - 29; 8 on December 30 - 31; 5 on January 1 - 3; 8 on January 4; 5 on January 5 - 8; 6 on January 9; 5 on January 10 - 13; 12, 10, 8, and 8 on January 14 - 17, and 5 on January 18.

Spaceweather.com pointed out the Geminid meteor shower will peak December 13 - 14, just in time for the ARRL 10-Meter Contest December 14 - 15. Ionized meteor trails may enhance 10-meter propagation.

Sunspot numbers for November 28 - December 4 were 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 70.2, 69.8, 70.4, 71.2, 70.4, 69.9, and 69.6, with a mean of 70.4. Estimated planetary A indices were 4, 5, 4, 4, 2, 2, and 3, with a mean of 8.3. Middle latitude A index was 2, 3, 2, 2, 2, 1, and 2, with a mean of 5.7.

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, visit the ARRL Technical Information Service, read "What the Numbers Mean...", and check out K9LA's Propagation Page.

A propagation bulletin archive is available. Monthly charts offer propagation projections between the US and a dozen DX locations.

Share your reports and observations.

AMATEUR RADIO HISTORY

THE WAYBACK MACHINE

BY BILL CONTINELLI - W2XOY

NEW BANDS AT GENEVA!!!

Those were the good words at the beginning of 1980. WARC-79 was over and amateur radio came out ahead. We kept all of our major HF, VHF and UHF bands and received three new HF allocations: a 50 kHz shared band at 10 Mhz, and two new

Wayback Machine Cont.

exclusive 100 kHz segments at 18 and 24 Mhz. These were the first new HF bands since 1947, when we received the 15 meter band. The only down side was the time element: it would take about two years to actually receive 10 Mhz, and up to nine years for 18 and 24 Mhz. Amateurs, however, had waited until 1952 to get 15 meters, we would gladly wait again--especially for 200 kHz of worldwide HF spectrum.

Other legal and regulatory news dominated the Amateur world at the beginning of 1980. The FCC proposed a new SSB only CB Band from 27.410 Mhz (just above CB channel 40) to 27.54 Mhz. For this new CB allocation, the FCC proposed removing the 155 mile contact limit (thus allowing DX contacts), as well as permitting VFO's. A non-technical test would be required for access to the CB-SSB band. Reaction, as you might guess, was strong and divided. HF "outbanders" (who worked the "10 1/2" meter band) were in favor--unlike the 220 Mhz "Class E CB" proposal a few years back, they could work skip on this new band. Or, should we say it would legitimize their present operations? The ARRL and the Amateur community were strongly opposed. Many letters in QST pointed out the intrusion of the illegal operators on the "10 1/2" meter band into the bottom part of our 10 meter band. In the end, the proposal was abandoned. The "Freebanders" and "Outbanders" continue to operate the 27.41 to 28 Mhz segment to this day.

In January, 1980, the FCC approved ASCII, which, at the time, was described as "an encoding system for digital transmissions that is compatible with most personal computers". Packet Radio had received the Official Government Blessing. Wayne Green, W2NSD/1, in a 73 magazine editorial, called the FCC action "asinine", because it only allowed 300 BAUD. Wayne pointed out that 1200 BAUD was the norm in telephone operations, and speeds as fast as 9600 BAUD would soon be possible.

Novices and Technicians got good news in 1980--they could now operate in Canada. In the past, they were not allowed to operate north of the border, because Canada had no equivalent license. Since Canada now had a VHF license, they opened the RF door to all Novices and Technicians--no reciprocal permit required.

Congress is considering a Bill to allow 10 year licenses, and the authorization of Volunteer Examiners. The ARRL is watching this Bill closely, and will keep the Amateur community informed.

Hams had been looking forward to the launch of AMSAT-OSCAR Phase 3. Unfortunately, on May 23, 1980, the launch vehicle failed and dumped it into the ocean.

In 1980, the start of the "Wayback" articles was 16 years in the future. What was a history starved ham to do? Don't worry--just pick up 73 magazine. Eric Shalkhauser, W9CI, was writing the "History of Ham Radio" as a series in 73 magazine. Also, in 73 magazine, the "CB to 10 meter" series was still going strong, showing how to convert those obsolete 23 channel CB rigs to 10 meters and, in some cases, 10 meter FM.

In 1980, what rigs were on the market? In the field of 2 meter handhelds, the Tempo S-1 (the first synthesized HT) was facing some stiff competition. Kenwood introduced the TR-2400, and Yaesu brought out the FT-207R. Both were priced at "just" \$395. ICOM unveiled the IC-2A and the IC-2AT. Prices started at just \$200 (no nicads or TTP) to \$270 fully equipped. In response, Tempo dropped the price of the S-1 to \$260. If you can't afford a synthesized HT, buy a discontinued crystal controlled rig. The HY-GAIN 1 watt, 6 channel HT is just \$88. The Yaesu FT-202R, a 1 watt 6 channel unit (which looks just like the FT-207R) is only \$125. PACE is leaving the ham market and has its remaining 2 meter handhelds on closeout for less than \$120. Inflation has increased prices 250% since 1980, figure out the prices of these radios in today's dollars. Finally, in 1980, did you get "Bashed"? Did you buy "The Final Exam"? Would you EVER admit to it? What's the controversy?

In 1980, Dick Bash, KL7IHP, published a series of books entitled "The Final Exam" and nicknamed the "Bash books". The actual test questions and multiple-choice answers were reproduced verbatim as they appeared on the FCC Technician/General, Advanced, and Amateur Extra exams. Remember, in 1980, the FCC exam question pool was not published. The FCC had a general "syllabus" of rules, regulations, and technical data covered on each exam. The ARRL License Manual discussed these topics in detail. But no one had published the actual questions and answers until Dick Bash came along. How did he get the questions? Simple--he would go down to the FCC examination site, stand outside the door, and question the applicants as they came out. Cooperative hams (or would be hams) gave him the questions and multiple choice answers that appeared on their exams. Later, as the books began to sell in numbers, applicants would mail him the questions and answers that were on the tests. The books were popular--selling at the rate of 1,000 per month in 1980.

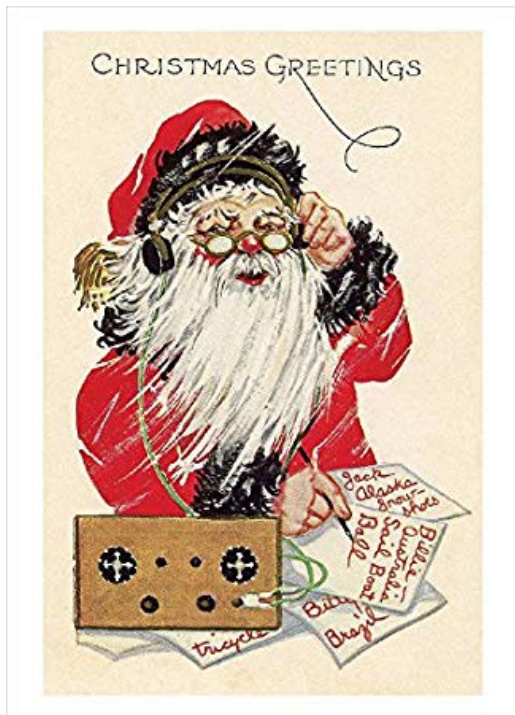
Dick Bash claimed his operation was 100% legal. He said that since the questions were available via a FOIA request, they weren't classified and could be published.

He further stated that he was justified in publishing "The Final Exam" because the syllabus and License Manuals out there did not adequately prepare applicants for the exams. Indeed, FCC records showed that the failure rate at some exam sessions was 69%--less than 1 out of 3 passed. This was before the Volunteer Exam program. FCC exams were given at the 20 field offices nationwide, and at quarterly, semi-annual, and annual examination sites. If you failed, it might be 3 months or more before you could retake the test.

The ARRL and the FCC fought back. QST refused to run ads for "The Final Exam". The FCC began rewording and changing the questions on the exams to thwart those who had memorized the earlier questions. Dick Bash claimed that the FCC used coercion to pressure magazines and distributors not to advertise or sell "The Final Exam". This battle went on until 1984, when the Volunteer Examiner program was instituted, and the FCC released the question pool to the public. Dick Bash ceased his operation. Did he win in principle? You decide.

In our next installment, we are going to stay in 1980, and look at four unique public service activities in which Amateur Radio played an important role. Sadly, in one event, two hams lost their lives. So, until then, turn on your TRS-80 and copy all those new packet signals.

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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.

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

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

Sat Nov 9th Sunnyvale, 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.blo>

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 16th	Election Dinner, Sharp Park Golf Restaurant
Dec 11th	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

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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

CLUB OFFICERS			
Office	Name	Call	Phone
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	Paul Atkins	AI6BB	-



MEETING NOTICE:

Holliday Potluck Dinner

7.30 PM

LM FIRE STATION

COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:

