



THE COASTSIDE COMMUNICATOR

VOL. 51, No. 8

AUGUST 2019

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Greetings,

First: Congratulations to Frank Erbacher, N6FG, on being granted Lifetime Member status in the Coastside Amateur Radio Club. The motion passed by a unanimous vote of the Club Membership.

After the routine business of the meeting, we will have another one of Professor Roy's Back to School Nights. I'm not sure of the topic this year, but I've always found them educational and informative.

Our next event coming up is the Fog Fest in September. This event brings money into the Club, so please arrange you time so that you can help. Frank will not be at the August meeting to recruit members for this event, so please help if you can.

This is also the time of year where we need to start finding the Club Officers for 2020. As most of you know, this is my forth term as President, and I don't believe in dynasties, so I hope someone will step up to fill the Officer positions. Change is good.

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

73,
Walt, KG6EDY
Club Pres



The July 10, 2019 meeting was called to order at 7:32pm by President Walt Long-KG6EDY, at the Linda Mar Fire House in Pacifica.

Self introductions by members in attendance followed.

Motion made by Dave Lawrene-KF6TWW and seconded by Gary Barnes-KI6HIG to approve the June minutes as printed in the Coastside Communicator. Motion was passed by unanimous vote of the membership present.

TREASURER'S REPORT

The Treasurer, Frank Erbacher-N6FG was not at the meeting. In the absence of the Treasurer, the Secretary wrote a check in the amount of \$195.79 for the rental of the Penske box van, to Walt Long-KG6EDY. The Secretary also wrote a check in the amount of \$49.00 for Site License for the Photo section on the website. The \$445 for the rental of the Port-A-Potti was paid prior to the event. Field Day Totals will be upon Frank's return.

MEMBERSHIP

No report

BILLS NEEDING APROVALS

None

CORRESPONDENCE

None

COMMITTEE REPORTS

CURRENT REPEATER

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

4. Replacement Repeater

Update on Repeater Replacement Committee progress from Roy Brixen-KE6MNJ: Update on Repeater Replacement Committee progress from Roy Brixen-KE6MNJ: Roy has ordered a set of ferrites for the data cables. Need to know if we need an antenna relay to switch between a stand-by antenna and a main antenna. The consensus is yes.

Field Day

June 22-23rd, 2019 – See under Financials. In the books. Came up with about 1200 points. Like the pictures in the newsletter.

Fog Fest

September 28-29th – Will need volunteers. Need emergency contact information from members that are volunteering.

Newsletter

Published

Website

Paul-AI6BB has posted pictures from Field Day on the website. There is an entry in the Wants & Swaps.

Net Script

Using approved script

UNFINISHED BUSINESS

Donation of Funds: Table until after Field Day
Expenses are totaled & Frank's return.

Calendar Updates:

Green Dawn/Silver Dragon (?) – Will be an exercise in Foster City this year.

Donation of Funds (Do we want to table until after Field Day Expenses are known?)

Table until after Field Day Expenses are totaled.

NEW BUSINESS

Special Election Results

Frank Erbacher -N6FG was nominated for a Lifetime Membership. Two-thirds of the vote was needed for the motion to pass. The motion passed by a unanimous vote, there were zero (0) no votes on the motion. Frank has been granted Lifetime status.
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ADJOURNMENT

Motion made by Roy Brixen-KE6MNJ and seconded by Gary Barnes-KI6HIG to adjourn the meeting at: 8:01p.m. Meeting adjourned to Ice Cream Social.
Submitted by Walt Long, KG6EDY.

PRESENT AT THE MEETING

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

President: Walt Long-KG6EDY, Secretary: Tom Oliver-KJ6OGL

Members: Audrey Villyard-WA2KPS, Roy Brixen-KE6MNJ, Gary Barnes-KI6HIG, Casey Villyard-N6TZE, David Rinck-KF6TWW, Steve Paganelli-K6YUA, Paul Atkins-AI6BB, Ted Neimira-K6TET, Dave Lawrence-KF6TWW, Ralph Kugler-KC6YDH, Pete Wanger-WA6ECH, Robert Fernandez-KK6NJP.

NEWS

PACIFIC COAST FOG FEST

Sept 28-29th 2018

We again need volunteers to help the Fog Fest organization by acting as radio dispatchers and handling questions. We assign and track their commercial radios. 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 ensuring that you are comfortable with the process. We do try to have two persons on each shift so there are breaks and a chance tour the event. Shifts are limited to 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. Our portion is placed 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 soon as possible.

Frank Erbacher N6FG N6FG@ARRL.NET
Cell 650-464-3870 Home Message 650-355-4355



ARRL UPDATE

Free Hiram Percy Maxim 150th Birthday Event Logging Software Now Available

Scott Davis, N3FJP, perhaps best known for the ARRL Field Day software that bears his call sign, has developed a free logging program for ARRL's Happy 150! Hiram Percy Maxim Birthday Celebration on-the-air event that gets under way on August 31 and runs for 9 days. Davis calls his software Hiram Percy Maxim Contest Log 1.0. Maxim, 1AW, who cofounded ARRL, was born on September 2, 1869.

"I've never created a program for a non-recurring event before, because the coding time required is too large," Davis said in a post to the N3FJP software user group. "I've made this exception because this is a really nice, simple rule set with the very popular field day-style exchange that has the added bonus in schedule flexibility of running for 9 days. The Hiram Percy Maxim celebration sure looks like a well-designed event that will be a lot of fun for us all."

The Happy 150! event will begin at 0000 UTC on August 31 and continue until 2359 UTC on September 8. It is open to all radio amateurs. The goal is straightforward: Contact as many participating stations as possible. W1AW and all ARRL members will append "/150" to their call signs during this event (DX operators who are ARRL members may operate as <call

sign>/150, if permitted by their country of license.) Participating stations will exchange a signal report and ARRL/RAC Section. DX stations will send a signal report and "DX." All Amateur Radio bands except 60, 30, 17, and 12 meters are available. Permitted modes are CW, any voice mode, and digital.

Davis said Hiram Percy Maxim Contest Log 1.0 is full featured and "very easy and intuitive to use."

"If the Hiram Percy Maxim celebration is received as strongly as it appears, my hope is that ARRL will decide to make this an annual event," Davis allowed. "After all, birthdays come once a year, and we now have the infrastructure to continue."



AMATEUR RADIO HISTORY

THE WAYBACK MACHINE

BY BILL CONTINELLI - W2XOY

The early 1950's were not a time of peace and security in the United States. The Korean War was in full force, with the constant threat of Communist Chinese intervention. The Iron Curtain cut Eastern Europe off from the Free World. The Soviet Union developed their own atomic weapons. Communists, real and imagined, roamed the United States, with Senator Joseph McCarthy in hot pursuit. Writers, actors, and directors suffered under the Hollywood Blacklist. In other words, the "Fabulous Fifties" were still a couple of years away.

Amateurs were on the air, but many feared that the FCC would eventually suspend operations, as they had during WWII. Amazingly, despite what QST called a "national emergency", there was no Civil Defense program in place to utilize amateur radio operators in case of enemy attack or natural disasters. The previous Civil Defense program--the War Emergency Radio Service--W.E.R.S. for short--had been out of service since 1945. Even in its heyday, W.E.R.S. had many shortcomings. It wasn't established until June 1942--7 months after the war started. It was limited to the 2 1/2 & 1 1/4 meter amateur bands, with no HF frequencies. Finally, W.E.R.S. operations, other than on the air drills, were limited to actual enemy activity. There was no provision for W.E.R.S. to be used during natural disasters.

The ARRL, FCC, and Civil Defense leaders learned from the mistakes of W.E.R.S., and were determined to have a viable radio Civil Defense program in place before it was needed. Thus, on December 19, 1951, at the same time that CONELRAD was announced, the FCC released the proposed regulations for RACES--The Radio Amateur Civil Emergency Service. On August 15,

1952, the final RACES regulations were put into effect. Amateur Radio operators now had a Civil Defense program in place that would utilize their communications skills.

Before a RACES unit could be authorized, there were some requirements that had to be met. First, the local government needed a Civil Defense organization and a Communications Plan. The local Plan had to be approved at the State Civil Defense level. Next was the appointment of the RACES Radio Officer. The Radio Officer, or R.O. for short, had to hold a Conditional, General, Advanced, or Extra Class amateur license, or a first or second class commercial radiotelegraph or radiotelephone license. The potential Radio Officer submitted FCC Form 482 to receive certification--provided, of course, that they passed the loyalty investigation. Note that the Radio Officer did not need to be an amateur. The FCC and Civil Defense experts determined that about 25,000 amateurs might be available for RACES authorization. However, in a full scale national emergency, up to 200,000 radio operators would be needed. Thus, provisions were incorporated for qualified commercial licensees to become part of the RACES program.

After the Communications Plan was approved and the Radio Officer was certified, station authorizations could be issued. Amateurs submitted FCC Form 481 to have their station license made valid for RACES operation. Novices and Technicians were not eligible for RACES authorizations. The FCC and the ARRL emphasized that membership in RACES was NOT an invitation to continue casual amateur radio activity in a war. RACES was strictly dedicated to public service, under the direction and control of the local C.D. unit.

The frequencies initially allocated to RACES were:

1800-2000 kc (subject to LORAN restrictions)
 3500-3510 kc
 3990-4000 kc
 28.55-28.75 mc
 29.45-29.65 mc
 50.35-50.75 mc
 53.35-53.75 mc
 145.17-145.71 mc
 146.79-147.33 mc
 220-225 mc

In addition, 1750-1800 kc (which was outside of our 160 meter band) was allowed under Disaster Communications Service.

Note that the initial frequencies did not include the 40, 20 and 15 meter bands. The 15 meter band was not yet available to amateurs when RACES was first proposed. Later, 40, 20 and 15 were added, and the 75 meter phone segment was expanded.

Reaction to the RACES frequencies was mixed. Some were upset that they were insufficient, and were not exclusive to RACES. Others thought of it as a diabolical

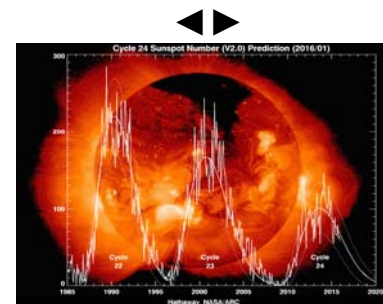
plot on the part of government agencies and commercial interests to grab parts of the amateur bands for non amateur use by non amateur personnel.

RACES was never used during an enemy attack. Over the years, however, it proved its value in countless natural disasters. Frequencies were expanded, and Novices and Technicians were brought into the fold.

One interesting fact about RACES--it was designed to be a TEMPORARY service. The initial regulations indicated that it would be discontinued after the termination of the national emergency. CONELRAD has been gone for 37 years, and the "Fallout Shelter" signs are rusting away on the walls of abandoned buildings. Why does RACES--a temporary service--still live? The answer is found in every natural disaster that hits the U.S.--every tornado, hurricane, flood, earthquake, blizzard and fire. Every time dedicated amateurs, working with their local C.D. Officials, provide effective emergency communications, they keep a "temporary" service alive.

In our next installment we will explore "Long Delayed Echoes". Is there a natural explanation? Or, were they truly something "out of this world"?

Wayback Machine #30 Copyright 1996, 2001 by William Continelli, W2XOY All rights reserved. These columns were originally written for the Schenectady Museum Amateur Radio Club



SOLAR UPDATE

Tad Cook, K7RA, Seattle, reports: No sunspots were observed over the past week, and solar flux remains flat, with average daily values declining from 67.3 to 67. The average daily planetary A index edged down slightly, from 5.3 to 5, and the middle latitude A index dipped from 6.3 to 5.9. Predicted solar flux for the August 1 - September 14 is 67 -- every day.

Predicted planetary A index is 10, 8, 5, and 5 on August 1 - 4; 8, 16, 12, and 8 on August 5 - 8; 5 on August 9 - 16; 8 on August 17 - 18; 5 on August 19 - 26; 8, 16, 8, 5, 8, 22, and 16 on August 27 - September 2; 5 on September 3 - 12, and 8 on September 13 - 14.

George, N2CG, in Saddle Brook, New Jersey, wrote to report that on July 28, 6 meters opened to northern

Europe -- mainly Finland -- with very good FT8 signals for more than an hour. "This was my very first time working Finland on 6 meters, and shortly after my QSO with OH3SR, he verified our QSO on LoTW!" he wrote.

Sunspot numbers for July 25 - 31, 2019 were 0, 0, 0, 0, 0, 0, and 0, with a mean of 0. The 10.7-centimeter flux was 68.2, 67.6, 66.7, 67.1, 66.1, 66.2, and 66.9, with a mean of 67. Estimated planetary A indices were 3, 3, 4, 4, 5, 8, and 8 with a mean of 5. Middle latitude A index was 3, 4, 4, 7, 5, 8, and 10, with a mean of 5.9.

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.



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.
 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 Sep14th

Where: Dublin CA

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
 Sat Aug 10th Sunnyvale, CA 10:30 AM
 Sat Aug 17th Redwood City C 10:30 AM
 Web Page: <http://www.amateur-radio.org>

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	LM Fire Station
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
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



of Service

50 Years



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:**

**AUGUST
PACIFICA
LM FIRE
7:30PM**

AUGUST MEETING

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	A16BB	(415) 810-9152

COASTSIDE COMMUNICATOR

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FIRST CLASS

TO:

