



THE COASTSIDE COMMUNICATOR

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DECEMBER 2020

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Happy Holidays! Hopefully, you will all have safe and fun get togethers with family and friends for the holidays, even if social distancing and pandemic safety requirements must be applied. With the current surge in infections and cases, this season promises to be one like no other! It is also time to thank our current club officers and chairpersons for their work in keeping the club going during this year's pandemic. As you recall, we were on hiatus for about 4 months, until Jon Lancelle N6SJF and Paul Atkins AI6BB offered to do the Zoom thing and have some semblance of meetings resume. Kudos to them! And do not forget to join us for the upcoming Zoom meeting on December 9th when we will elect our CARC officers for the coming year. I hope that all your radios are still working!!

73's Dave Lawrence, KF6TWW.

NOVEMBER MEETING MINUTES

CARC November 11, 2020 Meeting Minutes

Call to Order

The November 11, 2020 meeting was called to order at 7:30pm by: President Dave Lawrence-KF6TWW, on Zoom Video Meeting hosted by Jon Lancelle-K6SJF.

Self-introductions

Introductions by members in attendance.

Minutes

Motion made by Paul Atkins-AI6BB and seconded by Jon Lancelle-K6SJF to approve the October minutes as printed in *The Coastside Communicator*. Motion was passed by unanimous vote of the membership present.

TREASURER'S REPORT

Funds

The Treasurer, Frank Erbacher-N6FG reported that there has been no change since March 20, 2020. General Fund: \$5,566.77, Repeater Fund: \$1,478.82, APRS/Digipeater Fund: \$1,445.84, EOC/Public Service Fund: \$13,530.11 for a Grand Total: \$22,021.54. The President requested the Treasurer to put together an itemized summary of costs/expenditures on the replacement repeater.

MEMBERSHIP – No Change. Received a \$10 donation from Kelly-WB6AAJ. Request was made to update the year on the Membership Form to 2021 on the website. Question about whether we accept on-line payments for membership dues? Answer: No, we must have accounts linked.

Bills needing approval - None

Correspondence - None

COMMITTEE REPORTS

CURRENT REPEATER

1. Update on **status of WA6TOW repeater:**
 2. No Report
2. **APRS** – No Report
3. **Emergency Services** – No Report

Replacement Repeater

1. Update on Repeater Replacement: No Report

FIELD DAY – No Report

FOG FEST – No Report

NEWSLETTER – Published.

WEBSITE – Working.

Note: Update from Paul-AI6BB on 11/12/2020, the website Membership form has been updated to the year 2021.

Net Script - Using temporary (Covid-19) approved script.

UNFINISHED BUSINESS

A. Nomination of Officers for 2021. Since there was no opposition or contest, the current officers will remain in position for 2021. President: David Lawrence-KF6TWW, Vice-President: Paul Atkins-AI6BB, Secretary: Tom Oliver-KJ6OGL, Treasurer: Frank Erbacher.

New Business

A. Walt mentioned that a couple of meeting ago, Casey indicated he's interested in what Walt did for a living. Walt agreed that he'd speak about it for a few minutes. Walt will contact Casey and set up one of the future Zoom meetings.

Adjournment

Motion made by Paul Atkins-AI6BB and seconded by Walt Long-KG6EDY to adjourn the meeting at: 8:12p.m. Meeting adjourned.

Open forum followed.

Present at the Meeting

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

Members: Jon Lancelle-N6SJF, Georgia Grant-KE6KRT, Ted Niemira-K6TET, Walt Long-KG6EDY, Ralph Kugler-KC6YDH

Visitors: Marlon Valladares-KN6KTP – New Ham. Came in at the end of our Zoom meeting and introduced himself during our open forum.

NEWS

ARRL Asks FCC to Allow 3.4-GHz Operation until Spectrum is Occupied

11/26/2020

In comments to the FCC, ARRL has argued that radio amateurs be allowed to continue shared operation in the 3.4 GHz band until 5G licensees who purchase the spectrum when the FCC puts it up for auction initiate incompatible operations. In its Further Notice of Proposed Rulemaking (*FNPRM*) in WT Docket 19-348, the FCC had proposed to sunset the band for amateur radio in two phases, governed by when new licenses are issued rather than when the new licensees begin to use the spectrum. In the FNPRM, the FCC solicited comments on whether alternatives exist to its proposal.

“Amateur activities further the public interest and should be permitted to continue on a secondary basis unless and until a new primary licensee is ready to occupy the spectrum in a preclusive manner,” ARRL told the FCC. “At a minimum, amateur operations should be permitted to continue indefinitely in the 3.3 – 3.45 GHz spectrum, where no new flexible licenses are under immediate consideration. The Commission could consider whether a registration or other mechanism similar to that found in Section 97.303(g) would facilitate avoiding interference.” Section 97.303(g) contains specific frequency-sharing requirements for the 2200- and 630-meter amateur bands. ARRL said its comments were without prejudice to its pending Petition for Reconsideration of the FCC proposal to delete the amateur secondary allocation from the entire 3.3 – 3.5 MHz band.

ARRL noted that some 1,000 comments have been submitted by individual amateurs and amateur organizations at the initial stage of this proceeding. Those included one from the Emergency Communications Coordinator in the California Governor's Office of Emergency Services, who

wrote: “Over the years the State of California Governor's Office of Emergency Services Public Safety Communications Tactical Communications Unit has utilized Radio Amateur Television product during fire operations to gather intel and monitor threats to communications sites being affected by fires and fire weather events... Part of the backbone of the [amateur radio television] system utilizes the 3-GHz spectrum, and due to heavy spectrum usage in the 1.2 and 5.8 GHz spectrum, the 3 GHz spectrum becomes very important for frequency diversity supporting these networks...”

As ARRL noted, “Amateurs often select the 3.4-GHz spectrum precisely because other spectrum choices are sub-optimum or simply not available. Amateurs also are only secondary users on most of the other spectrum suitable for similar purposes,” ARRL said. “Links must be carefully engineered because of that secondary status, which applies to most of the 2.4- and all of the 5.8-GHz bands available to amateurs. In many geographic areas, it is a misconception that the 3.4 GHz operations easily can be moved to other bands.”

ARRL emphasized the importance of allowing amateurs to continue to use the 3.4 – 3.45 GHz portion in particular. “As stated by commenters during the initial stage of this proceeding, some of the equipment commonly used in this band for network linking cannot be re-channeled below 3.4 GHz,” ARRL said.

ARRL pointed out that in many geographic areas it could be years before the 3 GHz spectrum is actually put into use by commercial users, and argued that amateur radio should be allowed to continue to operations on a secondary, non-interference basis as it has done for decades with federal primary users, until new uses actually begin, rather than when licenses are issued.

Coast Guard Proposes to Discontinue HF Voice Watchkeeping

11/25/2020

The US Coast Guard has invited comments by January 21, 2021, on a proposal to discontinue HF voice watchkeeping. The **proposal** appeared on

November 20 in the Federal Register. The USCG proposes to cease monitoring 4125, 6215, 8291, and 12,290 kHz, in the contiguous US and Hawaii, due to a lack of activity.

“We believe this change would have a low impact on the maritime public, as commercial satellite radios and Digital Selective Calling (DSC) marine-SSB HF radios have become more prevalent onboard vessels,” the Coast Guard said. “However, we would like your comments on how you would be affected if we terminated monitoring HF voice-only distress frequencies within the contiguous US and Hawaii, particularly if you use HF, but do not currently have a commercial satellite radio or an HF DSC-capable radio aboard your vessel.”

The Coast Guard said it would continue to monitor HF DSC distress alerting for all existing regions and voice distress and hailing from Kodiak, Alaska, and Guam. The Maritime Mobile Service Net (MMSN) on 14.300 MHz remains available to less-equipped mariners who need assistance in emergencies.

Universal Radio Announces Closing

Ham Radio retailer Universal Radio, headquartered in Worthington, Ohio, is closing its store on November 30, although all existing orders will be filled, and the Universal Radio website will remain open to sell off “remaining stock, publications, and some select products.” Owners Fred Osterman, N8EKU, and Barbara Osterman, KC8VWI, are retiring.

“I am very fortunate to have been in the radio business for over 50 years, 13 at RadioShack and 37 at Universal Radio,” Fred Osterman said in a message of gratitude to its patrons. “We have met many wonderful people along the journey who have supported me personally as well as Universal Radio. It has been a privilege to have a continuous career in the fascinating field of radio since 1969.”

The new mailing address for Universal Radio is 752 N State St. Unit 222, Westerville, OH 43082, telephone (614) 866-4267. (This is not a storefront.)

Dayton Hamvention Announces its 2021 Theme — “The Gathering”

11/23/2020

“The Gathering” will be the theme for the 2021 Dayton Hamvention®. Hamvention General Chair Rick Allnutt, WS8G, said the theme reflects what has been missing from our lives most of this year.

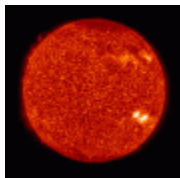
“We have spent the last 6 months being bound to our houses and small groups,” he said. “We are very optimistic that when May arrives, we will be allowed to get together.”

Allnut, a medical doctor with a master’s degree in public health, said Hamvention management is closely following the coronavirus situation and believes it will improve enough by May that government restrictions on travel and large groups will be relaxed. The Hamvention team will continue to follow developments.

“We hope we will all be able to get together, talk about ham radio, and share the interaction we have missed,” Allnutt said. “The Gathering” theme acknowledges the role that Hamvention plays in amateur radio.

Hamvention 2021 will be held May 21 – 23 at the Greene County Fairgrounds and Expo Center in Xenia, Ohio.

The K7RA Solar Update



11/27/2020

Tad Cook, K7RA, Seattle, reports: Over the past week our sun has been quite active, with rising sunspot numbers and solar flux showing strong evidence that Solar Cycle 25 is progressing.

Average daily sunspot number rose from 12 last week to 27.9 in the current week, while solar flux rose to a high of 103.7, bringing average daily solar flux up from 79.8 to 90.1.

Average daily planetary A index rose from 3.1 to 9.9, and average daily middle latitude A index went from 2.1 to 7.7.

Predicted solar flux is 106, 108, and 105 on November 27 – 29, 102 on November 30 – December 4; 92, 88, and 85 on December 5 – 7; 82, 80, and 78 on December 8 – 10; 75 on December 11 – 17; 77, 80, 90, and 92 on December 18 – 21; 94 on December 22 – 25; 92 on December 26 – January 1, 88, 85, 82, 80, and 78 on January 2 – 6, and 75 on January 7 – 10.

The Planetary A Index forecast shows values of 8 on November 27; 5 on November 28 – December 17; 12, 24, and 18 on December 18 – 20; 10, 12, and 10 on December 21 – 23; 5 on December 24 – 29; 8 on December 30 – 31, and 5 on January 1 – 10.

Solar flux is measured three times a day in Penticton, British Columbia, Canada, and values have risen steadily in the past few days. Starting at 2200 UTC on November 24, they were 99.6, 102.8, 103.7, 104, 105.7, 105.8 and 110.2. The official daily flux value is taken at 2000 UTC (noon local time in Penticton). See the article, “The Solar Flux Radio Telescope at Penticton BC” by John White, VA7JW.

Here’ the geomagnetic activity forecast for November 27 – December 22 from J. K. Janda, OK1HH. The geomagnetic field will be:

- quiet on December 7, 12-14, (15-16)
- quiet to unsettled on November 29-30, December 1-2, 6, 8, 11
- quiet to active on November 27-28, December 3-5, 9-10, 17, 22
- unsettled to active December 18, 21
- active to disturbed December 19-20
- solar wind will intensify on November (30,) December (2,) 3-5, (9,) 17-19

Note: Parentheses mean lower probability of activity enhancement. The predictability of change remains lower because of some ambiguous indications, and the situation is rapidly changing — an indicator of further growth in activity.

Jon Jones, N0JK, reported on November 25, that sporadic E was picking up on 6 meters as Thanksgiving approached:

K0GU (DN70) into northeast Kansas via Es on 50.313 MHz ~ 2344 UTC has -12 dB signals on FT8 on November 24.

K0GU made a number of contacts into the St. Louis and W9 areas. Also saw AC4TO (EM70) in Florida working Brazil ~ 0050 UTC on November 25. May have been a sporadic E link to TEP or possibly direct TEP. And this spot:

PY1MHZ 20/11/25 0057Z 50313.0 Into EM70 AC4TO

KA3JAW reported November 25, sporadic e, both double- and triple-hop rolled-up on 10 meters for 6 hours starting around 1253 UTC and continuing until 1921 UTC. Background noise level was 4 dBm on the meter. The following countries, states were heard: Trinidad, West Indies, Arizona, Colorado, Kansas, New Mexico, Oklahoma, Texas, and Washington, as well as Canada. Texas was the most-heard state. What was different with this event was the lack of southeastern states.

Bill Herzberg, AA8WH, of Dearborn Heights, Michigan, reported that 10 meters is alive and well.

“Starting after noon on November 25, I decided to check out the 6 and 10-meter FT8 frequencies. Wasn't much happening on 6, only heard a few calls, so I moved down to 10. Boy, what a difference; 10-meter FT8 signals were coming in from all over the place.

“I decided to go down to the sideband portion and see what was going on. Heard lots of SSB stations around 28.4. Heard some more above that.

“Went down to 28.3, and heard several really strong stations.

“Went down to the beacon subband, heard [a lot of] beacon stations, some doubling up on frequencies.

“So I went down to 12 meters. Heard several SSB stations, FT8 was hopping; 15 was wide open, as was 17, and 20 was also going strong.

“I think it was a combination of better conditions and a lot of folks [being] home for the holidays.

“Nice to hear the bands open. It's a taste of what's coming, when it will be possible to work the world with a few watts. Those times are coming, and it won't be soon enough for me.

”

Thanks to Paul, NO0T, for this recording of Scott McIntosh's presentation to the Front Range 6 Meter Group concerning Solar Cycle 25. Some of what he reports is quite startling and optimistic.

Barring some disturbance, operators in this weekend's CQ World Wide CW DX Contest could experience the best conditions in years. Coming up in 2 weeks is the ARRL 10 Meter Contest, which will especially benefit from higher solar activity.

See this article on helioseismology and sunspot prediction.

Space Weather Woman Tamitha Skov, WX6SWW, is very excited about the new solar activity.

Sunspot numbers for November 19 – 25 were 11, 11, 23, 35, 38, 37, and 40, with a mean of 27.9. The 10.7-centimeter flux was 76.7, 81.7, 85, 87.7, 95.5, 100.4, and 103.7, with a mean of 90.1. Estimated planetary A indices were 3, 8, 12, 27, 8, 4, and 7, with a mean of 9.9. Middle latitude A index was 2, 9, 9, 19, 7, 4, and 4, with a mean of 7.7.

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. For customizable propagation charts, visit the VOACAP Online for Ham Radio website.

Instructions for starting or ending email distribution of ARRL bulletins are on the ARRL website.

Share your reports and observations.

DECEMBER PUZZLER

PAUL ATKINS, AI6BB

G R O U N D W A V E F F O H C R I K D V
 N Z E M T N A N O S E R R L G N I P O D
 O G Q M I C R O P R O C E S S O R K C A
 C L U C N R T M X L A I T N E T O P U I
 A K A O U L K C A P Y T E F A S F R R R
 E P L O L C A T H O D E M J U T I O R L
 B O I T A R O S E I R E S E E W O T E I
 A L Z I B U R E T N E C K G D I K C N N
 G A A C G F C I F S W D H C P O G U T K
 E D T E L O H L A N O R O C O Y M D T V
 M D I D L F V I F L L E Z E H L I N N Z
 C E O R L A B C E N T I U M N E C O U M
 O R N A L Z B X K P A R A S I T I C O H
 U L H U I S G N I Z I N O I X T Q S M C
 L I E W S X K X C I R E H P S O N O I T
 O N M Y W W U C O M B I N A T I O N Y A
 M E W J K E Y E D R S I S E H T N Y S M
 B T E L E C T R O N O I T A R U T A S U
 V T O P S N U S C L J B U F F E R M P F
 I N T E G R A T E D I L O P C R A T E F

WORDLIST

AIRLINK	EQUALIZATION	MOUNT
BALUN	GFCI	NEC
BEACON	GROUNDWAVE	PACK
BIAS	HALF	PARASITIC
BUFFER	INTEGRATED	POTENTIAL
CATHODE	IONIZING	RATE
CENTER	IONOSPHERIC	RATIO
CENTI	ITU	RESONANT
CLOCK	KEYED	SAFETY
COMBINATION	KIRCHOFF	SATURATION
CONDUCTOR	LADDERLINE	SERIES
CORONALHOLE	LOWER	SMETER
COULOMB	MATCH	SSB
CURRENT	MEGA	SUNSPOT
DECI	MICROPROCESSOR	SYNTHESIS
DOPING	MODEM	VALUE
ELECTRON		XMTR

ANSWER TO NOVEMBER'S PUZZLER

D S T A T I O N S S L E E V E E T X U I C
 I U E C N A T I C A P A C E Q H N B C E
 R Y E E Q U L O F Q Y C L Z E U G O J J N
 E W V L J R P S T L S O F R A H I W W T
 C F A X L A O A C E S S S F L A T T C E
 T R W D R A P T V I A S N O I R A C C R
 O O D T L P B A E B L E R T Z M L I L Y
 R N N S E A W A I D C L E M A O U F I C
 F T U D R Y N T N N O C A E T N D I P N
 R T O I K E N O A O H H P T I I O C P E
 E O R S G C T T I N R I T S O C M E I U
 T B G X Y H S L O T H O Z A N R E P N Q
 E A B P V I M L I H A W C U C L D S G E
 M C M Q S F O X A F T N A T S N O C F R
 M K R E X G I G B Q R E F L E C T E D F
 H C R D Y T E G R E A T C I R C L E Z I
 O U D I I M X V O L A T I L E D E Y E K
 C E Y S R T T Y T D A E L N I H T V V W
 C L A I T N E U Q E S G N I L P U O C O
 H M Z G N I D L E I H S N T E K C A P M

COMING EVENTS

Pacifica CERT (Community Emergency Response Team)

For training and information

<https://pacificacacert.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

All dates for the 2020 Electronics Flea Market have been canceled.

State and county Shelter in Place orders and restrictions on large sustained gatherings are likely to stay in effect through October 2020. In consideration of government orders and the safety of all participants, ASVARO has canceled all the Silicon Valley Electronics Flea Market dates for 2020.

We are hopeful that conditions will improve sufficiently in 2021 to resume the market next year. We expect to see you again in 2021. For updates, please visit:

<https://www.electronicfleamarket.com/>

CARC MEETING/EVENT SCHEDULE

DATE	EVENT
Jan 8th	2020 Agenda Planning, LM Fire Station
Feb 12th	2020 Agenda Final, LM Fire Station
Mar 8th	Daylight Savings Time Start
Mar 11th	LM Round Table Pizza
Jun 10th	Zoom Meeting
Jul 8th	Zoom Meeting
Aug 12th	Zoom Meeting
Sep 9th	Zoom Meeting
Oct 14th	Zoom Meeting, 2021 Officer Nomination
Nov 1st	Daylight Savings Time Ends
Nov 11th	Zoom Meeting
Dec 9th	Zoom Meeting – Election of Officers

? 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 Coastside 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 Coastside 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

61 years



of Service

51 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:

7:00-7:45 AM on WA6TOW
146.925 MHz, PL 114.8
Knights of the Megahertz Net

Note: All 2m repeater traffic is recorded and may be replayed at audiostickerbur.net.

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Dave Lawrence	KF6TWW	(650) 595-2827	kf6tww@gmail.com
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Secretary	Tom Oliver	KG6OGL	(640) 488-0704	toliver0577@gmail.com
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
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Website	Paul Atkins	AI6BB	(415) 810-9152	ai6bb@arrl.net
	R. Scott Sutor	KM6SCD		

MEETING NOTICE:



DECEMBER 9, 2020 7:30 PM
WATCH FOR INVITATION VIA E-MAIL OR CONTACT AI6BB@ARRL.NET TO BE ADDED

COASTSIDE COMMUNICATOR

EDITOR
P.O. BOX 1106
PACIFICA, CA 94044

FIRST CLASS

TO:

61 years



of Service