



THE COASTSIDE COMMUNICATOR

VOL. 53

No. 11 NOVEMBER 2021

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN - NOVEMBER 2021

I am looking forward to our Election Dinner at Nick's Restaurant on Saturday November 20th around 6PM. This is always a great time to eat {the food is always great!}, drink {in moderation!}, and be merry {all hands on deck!} I hope that you can attend and enjoy great camaraderie with fellow hams and friends. It is also the time that we elect our club officers for the next year, and I commend all the people who volunteer to keep the club active, in any role that they can. We can only hope that as vaccinations move forward, we can get back to having some fun club activities for next year. We are eagerly awaiting our return to the meeting room at the firehouse for our regular club meetings, so please watch this space! In the meantime, I have made some progress on our new repeater equipment, and maybe next year we can have it up and running. Stay tuned.

I hope that you all had a safe and sane Halloween {we had a lot of kids trick-or-treating this year} and that your Thanksgiving is also a wonderful and happy time for you and your families. Be seeing you.

73's Dave Lawrence KF6TWW.

ZOOM SOCIAL 10 NOVEMBER

We will have a zoom meeting on Nov 10th. It will be informal and just for chatting. Hope to see you on Zoom!

CARC OCTOBER 13, 2021 MEETING MINUTES

Call to Order

The October 13, 2021 meeting was called to order at 7:31pm by: VP Paul-AI6BB, on Zoom Video Conference hosted by Jon-N6SJF.

Self-introductions

Introductions by members in attendance.

Minutes

Motion made by Steve-KN6ORM and seconded by Gary-KI6HIG to approve the September minutes as posted in *The Coastside Communicator*. The Motion was passed by unanimous vote of the membership present.

TREASURER'S REPORT

Funds - The Treasurer, Frank-N6FG reported the only activity was that there were a couple more renewals.

MEMBERSHIP

No Report

Bills needing approval

None

Correspondence

None

COMMITTEE REPORTS**CURRENT REPEATER**

1. Current status of WA6TOW repeater: Frank-N6FG stated that it is working well and that Mike-WB6JKV uses it when he travels around the Bay Area. Steve got an SDR and found that WA6TOW was getting interference about a week ago but has since gone away.
2. APRS – No Report
3. Emergency Services – No Report

REPLACEMENT REPEATER

1. Update on Replacement Repeater: Dave-KF6TWW stated that he met with Roy KE6MNJ and got the key to his storage locker. He went there on Sunday and checked the equipment, took pictures. He has also been in contact with Scott KM6SCD about moving the repeater to his house. He is involved with a project right now. Dave said that he would revisit after the first of November.

FIELD DAY

Frank said that he would not be attending the 2022 Field Day event and that others would have to take over and work out the logistics, provide radios, get a truck/van to pick up the antennas, store and transport up to the site on Sweeney Ridge. He sent out an email detailing setting them up.

FOG FEST

Currently cancelled until 2022

NEWSLETTER

Published

WEBSITE

October Newsletter has been uploaded

UNFINISHED BUSINESS

- A. *Roster of Officers for 2022 are: President: Steve Austin – KN6ORM, Vice President: Paul Atkins – AI6BB, Secretary: Tom Oliver – KJ6OGL, Treasurer: Frank Erbacher – N6FG & Co-Treasurer: Paul Atkins – AI6BB.*

From the 2014 CARC Constitution & By Laws, Article VI, Section 2E:

In the event of an uncontested election (one or fewer candidates for each office), this election shall be done by

acclamation of those present at an Annual Election Meeting rather than by ballot. In such event, no ballots will be sent out.

The Election Meeting will take place at the Election Dinner on November 20th at Nick's Rockaway Restaurant.

- B. *The next meeting will be the Election Dinner on November 20th. Since we still aren't able to hold meetings at the fire house, we need a location to hold the December Potluck meeting.*
- C. *Frank stated that he would not be attending the Election Dinner at Nick's in November, and asked for assistance putting it together, checking attendance, collecting money and paying Nick's. Jon-N6SJF, Paul-AI6BB and Tom-KJ6OGL will work together.*

New Business

- A. Steve-KN6ORM introduced himself and gave a BIO and that he is running for President.
- B. Frank-N6FG said he will go on Nick's website and get the menu for the Election Dinner for pricing, send out an email requesting who will attend and what meal they would like.
- C. Steve-KN6ORM stated that he is working with other groups to add a Mesh network in the Pacifica area for emergencies. He has been in contact with Fort Miley in SF (Veterans Hospital) to see about joining with them. Still working on logistics.
- D. Frank said that 20 meters was poor at this years Field Day, but others did great. He has checked the antennas, cables and balun and could not find any breaks or issues. Others have offered their equipment to analyze the antenna system. Those interested and that have test equipment should contact Frank to schedule a date/time.
- E. Tony-K6BV thanked everyone that attended the equipment sale that he and Lucas-W6AER put together in September.

Adjournment

Motion made by Gary-KI6HIG and seconded by Frank-N6FG to adjourn the meeting at: 8:30p.m. Meeting adjourned.

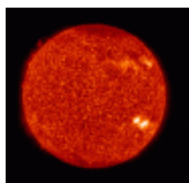
Present at the Meeting

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

Members:

Ted-W6SY, Georgia-K6KRT, Steve-KN6ORM, Jillian-KN6PIV, Ralph-KC6YDH, Gary-KI6HIG, Walt-KG6EDY, Dave-K6NIA, Tony-K6BV, Ron-WB9EGG, Jon-N6SJF

Submitted by: Tom Oliver-KJ6OGL, Secretary
Zoom audio recorded on iPhone for reference

NEWS**The K7RA Solar Update**

11/05/2021 ~ Tad Cook, K7RA, Seattle, reports: Sunspot numbers and solar flux index were both declining by the end of the October

28 – November 3 reporting week, but averages for both numbers were higher than reported in last week’s bulletin, ARLP044. The average daily sunspot number increased from 54.9 to 67.6, while average daily solar flux jumped from 95.7 to 102. Coronal Mass Ejection (CME) activity through the week drove geomagnetic numbers much higher. Average daily planetary A index increased from 4.4 to 12, and average daily middle latitude A index went from 3.6 to 9. On November 4 the planetary A index was 69, and Alaska’s College A index was 131. Spaceweather.com reported that what it called a “cannibal CME” struck Earth at 2000 UTC on Wednesday, November 3, and that this would spark a strong geomagnetic storm, and boy, did it ever! With aurora observed in US below northern-tier states, it had a pronounced negative effect on HF propagation on Thursday, November 4. For a time on Thursday, testing propagation paths using FT8 and PSK Reporter, I could see no propagation above 20 meters.

Here’s more on that CME from Space.com, “Sun outburst goes ‘cannibal’ as fast new blob overtakes a slower one

At 0326 UTC on November 5, the Australian Space Forecast Centre noted that, although conditions have quieted down, a southward turn of the interplanetary magnetic field may cause another increase in geomagnetic activity.

I received several reports this week that 10 meters is back”

Jon Jones, N0JK, in Kansas noted on November 4: “No (VHF) enhancement in Kansas from the CME impact yet. Last weekend in the CQ WW SSB contest, 10 meters was open both days. I logged HD8R Galapagos Islands and other stations using 5 W and a mobile antenna. Best DX: D4F. “ZF5T was very loud Sunday afternoon around 2015 UTC on 10 meters.”

A NOAA prediction at 2118 UTC on November 4 predicted solar flux at 90 on November 5; 85 on November 6 – 7; 80 on November 8 – 12; 88 on November 13 – 14; 89 on November 15; 92 on November 16 – 19; 93 on November 20; 95 on November 21 – 27; jumping to 103, 102, 100, and 98 on November 28 – December 1; 96 on December 2 – 4; 92 and 90 on December 5 – 6; 88 on December 7 – 11; 89 on December 12, and 92 on December 13 – 16.

Predicted planetary A index is 18, 15, and 8 on November 5 – 7; 5 on November 8 – 14; 10 and 8 on November 15 – 16; 5 on November 17 – 29; 8 on November 30 – December 1; 5 on December 2; 12, 10, and 8 on December 3 – 5; 5 on December 6 – 11, and 8 on December 12 – 13.

Here’s the geomagnetic activity forecast for November 5 – December 1 from F.K. Janda, OK1HH. The geomagnetic field will be:

- quiet on 18 – 19, 23, 25
- quiet to unsettled on November 9, 12 – 13, 17, 20, 22, 24
- quiet to active on November 5, 10 – 11, 21, 26 – 27

- unsettled to active on November 6 – 8, 14, 16, 28
- Conditions will be active to disturbed November (15, 29,) 30, December 1
- Solar wind will intensify on November (8,) 9 – 10, (11,) 16 – 17, (29 – 30), December (1 – 2,) 3 – 4

Note: Parentheses mean lower probability of activity enhancement.

Southgate Amateur Radio News included this report, “Solar Cycle 25 October report from AA6XE.” N8II in West Virginia, reported:

“It certainly was a great month just past. DXpeditions have resumed, quite a few to Africa and all of them worked on 12 and 10 meters. C5C, The Gambia is also active, and TL7M, Central African Republic heard on 12, 15, and 20 meters, CW. 7P8RU is a Russian group worked on 30 – 10 meters on CW and 17 and 12 meters on SSB. Hearing Russia and Scandinavia on 15 has been a nearly daily occurrence. 12 meters has been open to Europe daily for about the last 10 days. South America is in daily on 10, with best conditions around 1900 – 2000 UTC; 15 begins opening to Europe at around 1240 UTC.

“At 1645 UTC, most Europe were gone. 12-meter signals vary day to day with quite a few new countries going into the log, such as Kuwait, Israel, Norway, Sweden, Finland, Faeroe Islands, Gibraltar, and Guernsey — many on both SSB and CW. CW countries worked on 12 meters now are 103 versus about 80 before September, 15 meters now 198, and 10 CW now 98.

“A major solar storm was forecast for the CQ World Wide phone contest October 30 – 31. When the K index peaked at 5 at 1500 UTC on the October 31, we were working loud Europeans — even northern Europe. At the start of the contest, I was on 20 and, very strangely, South American and Caribbean signals were way down with decent conditions to East Asia, excluding Japan. I heard about nine Chinese stations in just over the first hour, putting

three into the log including B0A at S-9 + 20 dB from rare zone 23.

“I also heard the Philippines, worked RN0CT in Zone 19, 7Q6M Malawi, and D4L Cape Verde in first hour. Saturday morning, 15 was opening around at around 1120 UTC to Europe. There were loud signals from all over EU, and Kazakhstan was heard. At 1329 UTC, I switched to 10 and found a few Europeans; first worked were Hungary, Slovenia, Italy, Ireland, and a very loud E7AA in Bosnia. The opening was spotlight type to relatively small areas most of the Mediterranean, many from Sicily. EW5A in Belarus was the only northern European station logged at 1414 UTC for Zone 16.

“Right around 1430 UTC, Europe faded out. I worked A73A Qatar on a peak, and South America began coming through, with signals poor at first with some good by 1450 UTC. Despite strong signals from Paraguay, Chile, and Argentina, Brazil was not loud enough to work until 1725 UTC; then many showed up through the afternoon until my 2210 UTC sunset. I was lucky to catch ZM4T New Zealand and VK4A right around sunset for Zones 32 and 30.

“Sunday, I was not expecting much with the rising K index, but 15 sounded pretty normal, and I logged EA1L in Spain at 1228 UTC on 10. It was a struggle to work many stations because of better conditions for stations farther to the northeast in North America. I caught 7P8RU in Lesotho at 1255 UTC. After a short break, 10 meters band blew wide open at 1339 UTC with many calls from Western Europe, including quite a few Dutch and German stations. TK5MH called from Corsica, and 4U1A called from the Vienna International Center. Then gradually northern Europe filled, with OH0V Aland Islands and calls from Lithuania, Sweden, Denmark, Estonia, Norway, and Finland in the 1500 UTC hour. The K index was 5 reported at 1500 UTC, so it seemed strange to be able to work so far north — possibly auroral Es. Most of Europe finally faded by 1656 UTC. Quite an opening, the best of Solar Cycle 25 so far.”

We heard from Mike May, WB8VLC, in Oregon:

“During CQ WW SSB last weekend, 10 meters was sounding like nothing I have heard in 20 years with some Europe in the morning then the typical South America in the afternoon.

“The evening of Saturday, October 30, was the best Asia opening I have heard on 10 with 28.3 to 29 MHz filled with JA stations. The most interesting was the other Asian DX worked aside from Japan: VR2XAN in Hong Kong and DY1T in the Philippines, both in here for around 1 hour at S-9+ along with other big signals from Hawaii, New Zealand, Australia, Guam, the Mariana Islands, and even some weak China on 10 meters.”

Mike sent a long list of stations with S-9 signals on 10 meter SSB, including Cape Verde, Guam, Portugal, Madeira, Galapagos and Brazil. “Even 10 FM was active!” he said.

From Angel Santana, WP3GW, in Puerto Rico:

“Ten meters was the surprise band on this weekend’s contest. I always start on the band and rack up the South Americans, about 26 in an hour which is almost threefold compared to last year. After working some on 15 meters at 1200 UTC for an hour, wow 10 meters was teaming with life like 5 years ago! Worked a few Europeans in half an hour and went and go during the day, including an FR about 1433 UTC.

“It was not until Sunday morning that 10 got interesting, when I worked early E7AA, who worked only on 10 and was my only Bosnia QSO. Then ZD7, 7P, OH0, 7Q, EA9, pretty easily with low power. At 1930 UTC turned my antenna (manually) toward the US and called on 28.392 MHz, working 56 stations in an hour, 98% of them US stations.

“Can't wait for the ARRL 10-Meter Contest 2021!”

From Simon, GW0NVN:

“Here at Finningley Amateur Radio Society G0GHK, we were shown what the sun can do on Sunday, October 31. Switched to 10 during breakfast to hear a number of strong stations including VK6 having a rag chew and working a few European stations. Coming back to 10 in the afternoon, we had an over 1.5-hour pile-up of W and VE stations.”

Here is an **exciting update** from Tamitha Skov, WX6SWW.

This weekend is ARRL November Sweepstakes (CW).

Sunspot numbers for October 28 – November 3 were 96, 82, 76, 83, 53, 42, and 41, with a mean of 67.6. The 10.7-centimeter flux was 111.7, 108.4, 107.2, 102.7, 97.7, 97, and 89, with a mean of 102. Estimated planetary A indices were 3, 3, 10, 20, 10, 17, and 21, with a mean of 12. Middle latitude A index was 3, 2, 8, 16, 8, 12, and 14, with a mean of 9.

For more information concerning radio propagation, visit the ARRL Technical Information Service, read “What the Numbers Mean...,” and check this propagation page by Carl Luetzelschwab, K9LA.

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.

NOVEMBER PUZZLER

PAUL ATKINS, AI6BB

L A D D E R L I N E L O H L A N O R O C
 A W P H C D E T A I D A R R E T L I F R
 S E L E C T I V I T Y C O U N T E R C F
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ANSWER TO OCTOBER'S PUZZLER

K E Y I N G G R E A T C I R C L E C I O V
 D E C I B E L K C A B O T T N O R F W H
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 S O W Y P L O U I E Y O G H S H Y S Q S
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| balun | ground | selectivity |
| birdie | height | self |
| boom | interference | sid |
| buffer | ladderline | signal |
| component | line | single |
| coronalhole | mega | software |
| counter | modes | station |
| dielectric | modulation | storage |
| doping | noise | sudden |
| driver | nvis | supply |
| equivalent | parasitic | transport |
| feedline | pnjunction | tuner |
| ferrite | radiated | twotonetesting |
| filter | reradiation | uhfconnector |
| frame | rffeedback | voltage |
| | rms | |

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

Please see the website below for up-to-date information

<http://www.electronicfleamarket.com/schedule>

DATE	EVENT
Jan 13th	Zoom Meeting ~ 2021 Agenda Planning
Feb 10th	Zoom Meeting ~ 2021 Agenda Final
Mar 10th	Zoom Meeting
Mar 14th	Daylight Savings Time Starts
Apr 14th	Zoom Meeting
May 12th	Zoom Meeting ~ Field Day Planning
Jun 9th	Zoom Meeting ~ Final Field Day Planning
Jun 25 th -27th	Field Day ~ Details TBD
Jul 14th	Pizza Dinner Meeting – Linda Mar Round Table 7:00 PM Social 7:30 PM Meeting
Aug 11th	Combined Pizza Dinner/Zoom Meeting – Linda Mar Round Table 7:00 PM Social 7:30 PM Meeting
Sep 9th	Zoom Meeting
Oct 13th	Zoom Meeting, 2022 Officer Slate Presentation
Nov 7th	Daylight Savings Time Ends
Nov 10th	Zoom Social Meeting
Nov 20th	2022 Election Dinner, Nick’s Restaurant
Dec 8th	Potluck Dinner (To be Determined)



www.smcready.org
cert@pacificapolice.org



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



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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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

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				
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	R. Scott Sutor	KM6SCD		

MEETING NOTICE:



OCTOBER 13, 2021 7:30 PM
WATCH FOR INVITATION VIA E-MAIL OR CONTACT
CARC_INFO@COASTSIDEARC.ORG TO BE ADDED.

COASTSIDE COMMUNICATOR

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FIRST CLASS

TO: