



THE COASTSIDE COMMUNICATOR

VOL. 53

No. 6 JUNE 2021

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Today I am writing to you from home, on the Memorial Day weekend. I should be at the Lake for this holiday, but I am home still respecting the stay-at-home COVID19 pandemic restrictions, and this, hopefully, for the last time! I am counting on the state to remove all restrictions by June 15th, and it will be wonderful to get back to normal living, whatever that may look like!

And the first normal thing that comes up is Field Day 2021. The Club has a few members working on the arrangements, and I hope to be able to finalize the details at our next Zoom meeting on June 9th, so please tune in!

And, the club will have our annual pizza mtg at the Linda Mar Round Table Pizza on July 14th, so I hope to see you there in person! Yay.

The club is also planning our Elections dinner on November 20th, 5:30 PM, at Nick's restaurant at Rockaway Beach.

Please see the updated calendar of events later in this issue,

73's Dave Lawrence KF6TWW.

CARC MAY 12, 2021 MEETING MINUTES

Call to Order

The May 12, 2021 meeting was called to order at 7:33pm by: President Dave Lawrence-KF6TWW , on Zoom Video Conference hosted by Jon Lancelle-N6SJF.

Self-introductions

Introductions by members in attendance.

Minutes

Motion made by Frank Erbacher-N6FG and seconded by Walt Long-KG6EDY to approve the April minutes as posted 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 the Club insurance has been paid.

MEMBERSHIP

Membership spreadsheet is in the process of being updated. All members that have not paid dues for 2021 have been notified by email.

Bills needing approval.

None

Correspondence

None

COMMITTEE REPORTS**CURRENT REPEATER**

1. Update on **status of WA6TOW repeater**: Still working with some noise at times.
2. **APRS** – No Update
3. **Emergency Services** – No Update

Replacement Repeater

1. Update on Replacement Repeater: No update. Dave Lawrence has not had contact with Roy Brixen-KE6MNJ on pulling the components together to install for testing.

FIELD DAY

Frank-N6FG has submitted request for permit for Sweeney Ridge for Field Day activities. Has not received approval as yet. Walt-KG6EDY mentioned that the area by the water towers may be an alternative for Field Day. He will contact San Bruno FD for approval.

PARCA “DEVIL’S SLIDE RIDE” - CANCELLED FOR 2021

FOG FEST - CANCELLED FOR 2021

NEWSLETTER - Published

WEBSITE - Updates made as necessary. Monthly CARC Newsletters uploaded for use.

Net Script - Using COVID-19 approved script.

UNFINISHED BUSINESS

A. None

New Business

A. Dave Lawrence-KE6TWW has reserved the front meeting room at Round Table Pizza in the Linda Mar Shopping Center for the second Wednesday in July and August for pizza meeting night. Dave will send an email to members asking which date they prefer.

B. Dave has reserved Nick’s Restaurant for the Elections Dinner on November 20th at 5:30pm.

Adjournment

Motion made by Ted Niemira-N6TET and seconded by Walt Long-KG6EDY to adjourn the meeting at: 8:05p.m. Meeting adjourned.

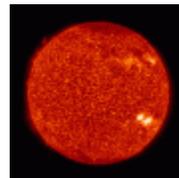
Presentation by Paul Atkins-AI6BB on Arduino Capacitance Measurement followed on Zoom.

Present at the Meeting

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

Members: Dave Conroy-KM6CPF, Bill Lillie-N6BCT, Gary Barnes-K6HIG, Walt Long-KG6EDY, Ted Niemira-N6TET, George Salet-KJ6TSX, Georgia Grant-KE6KRT, Jon Lancelle-N6SJF

Submitted by: Tom Oliver-KJ6OGL, Secretary

NEWS***The K7RA Solar Update***

05/28/2021 ~ Tad Cook, K7RA, Seattle, reports: The 10.7-centimeter solar flux rose this week, and on Wednesday May 26 it

reached 88, the highest it’s been since December 7, 2020, when it was 89.5. The next day at 2300 UTC, the flux value was 94.2.

The official flux value is always the local noon reading at Canada’s [Dominion Radio Astrophysical Research Facility](#) in Penticton, British Columbia, 177 miles northeast of Seattle. [Readings](#) are available three times a day.

Average daily solar flux rose this week to 77.8 from last week’s average of 74.2, while the average daily sunspot number increased from 20.3 to 24.9. I hope this signals a return to the enhanced activity and HF conditions we saw at the end of 2020, and a resumption of Solar Cycle 25’s upward climb.

Predicted solar flux over the next month is 83, 81, 80, and 76 on May 28-31; 72 on June 1-3; 73 on June 4;

74 on June 5-10; 75 on June 11; 77 on June 12-15; 79 on June 16-23, and 76 on June 24-29.

Predicted planetary A index is 10, 5, 8, 5, and 8 on May 28 – June 1, then 5 on June 2 and beyond, possibly into mid-July.

Here's the geomagnetic activity forecast for May 28 – June 22 from F.K. Janda, OK1HH. The geomagnetic field will be:

- quiet on: May (30 – 31), June 9 – 10, 12 – 13
- quiet to unsettled on: June 1 – 8, 17 – 20
- quiet to active on: May 28 – 29, June 11, 14 – 16, 21 – 22
- unsettled to active: nothing predicted
- active to disturbed: nothing predicted
- solar wind will intensify on: May 28 – 30, June (7), 9, (14 – 15, 17 – 19, 22)

Remarks:

– The increased geomagnetic activity on May 26 – 27 was due to solar flares with CME on May 22. Therefore, it could not be predicted on May 20.

– Parentheses mean lower probability of activity enhancement.

– Accuracy of the forecast remains lower.

Jon Jones, N0JK, in Kansas reports:

"The summer 2021 sporadic E season is off to a strong start. Here in Kansas I had Europe in on 6 meters May 19. DK1MAX peaked to –3 dB with audible tones at 1540 UTC. Earliest I have had Europe on 6-meter Es.

May 26 Hawaii to the Midwest on 6 meters. KF0M (EM17) in Wichita had KH6CJJ on Maui up to –4 dB around 2000 UTC. The Hawaiians were in for more than an hour. The mode was FT8."

Bil Paul, KD6JUI, in Dixon, California, writes:

"Quite a surprise for the solar flux to jump up into the 80s and then the 90s today (Thursday).

"I was trying out a modified small HF loop (homebrew) on my kayak in the Mokelumne River in Northern California today and wasn't getting out very well. Then I thought I'd give 17 SSB a final try before packing up my gear. Transmitter power was 12 W.

"Heard two VKs coming in loud and clear and managed to catch VK2CPC, Les, just as he finished a QSO. He gave me a 3 × 3 report and managed to get my call sign correct. Fortunately my kayak was in such a position that the loop was aimed toward Australia.

"And, my buddy caught two bass. Good day for both of us."

Michael May, WB8VLC in Oregon reports:

"Another weird week of non-ham activity on 10 meters to report along with lots of 6 meter activity. The most interesting thing heard on 10 meters was non ham intruders, heard this past Sunday. I was tuning around on 10 meters looking for beacons when I came across some North Korean fishing boats operating on 28.175 and 28.275 MHz FM mode. This was at 2120 UTC on May 22, and the signals were in for the next 2 hours. The attached recording is condensed from over a 2-hour period [email K7RA for a 836 kB MP3 copy].

"A co-worker listened to the recording and said it sounded like a North Korean dialect and after more research we found that they are most likely squid fishing boats around the Asiatic Russian coast north of Japan and east of mainland Asiatic Russia, where these boats are typically found. The signals peaked on my 4-element, 10 meter OWA at 330°.

"I have not heard these signals in more than 9 years, which leads me to think that a 10 meter FM path to Japan is possible. Research on these boats indicates only 25 W of FM carrier with 102-inch whips.

"No real interesting 10-meter ham contacts to list as the North Korean fishing boats were certainly enough for my 10 meter listing.

"Six meters was my best band over the past 2 weeks for real ham to ham QSOs and here are some of the interesting ones. All of the 6 meter SSB contacts were well over S-9 both ways and the QSOs lasted for more than 45 minutes each, real rag chews.

"On 6 meters SSB/FT8/CW I use my K3S to a 6-element HyGain Yagi on the same boom as my four elements for 10 meters and 500 W from a home-made LDMOS amplifier.

"On 6 meter FM I use the HyGain V-6R stacked 5/8th wave, 25-foot-long co-linear vertical and 110 W with a GE Orion FM land mobile transceiver.

"Six meter contacts, all times/dates UTC:"

2021-05-18	0327	KH6HI	50.313	FT8 BL01xi	<p>Check this website for synoptic map images. It has been a long time since we presented anything YouTube article about the important work of astronomer Hisako Koyama. Thanks to K5FB for these links:</p> <p>New Method Invented for Predicting Solar Radio Flux Two Years Ahead. Medium-term Predictions of F10.7 and F30 cm Solar Radio Flux with the Adaptive Kalman Filter A new solar telescope is planned for the Canary Islands.</p> <p>Here's a new video from Tamitha Skov, WX6SWW, the Space Weather Woman.</p> <p>Sunspot numbers for May 20 – 26 were 13, 13, 19, 30, 29, 36, and 34, with a mean of 24.9. The 10.7-centimeter flux was 72.3, 73.7, 75.6, 79, 72.7, 83.5, and 88, with a mean of 77.8. Estimated planetary A indices were 24, 7, 5, 4, 4, 3, and 13, with a mean of 8.6. Middle latitude A index was 17, 8, 5, 4, 2, 3, and 12, with a mean of 7.3.</p> <p>For more information concerning radio propagation, visit the ARRL Technical Information Service, read "What the Numbers Mean...", and check out K9LA's Propagation Page.</p> <p>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 observation.</p>
2021-05-19	0420	VE8CK	50.313	FT8 DP22TK	
2021-05-22	0241	W5WTX	50.090	CW DM95cc	
2021-05-23	1859	VE3WN	50.313	FT8 FN03h	
2021-05-24	0035	W0VTT	50.098	CW EN33xx	
2021-05-24	0120	TI2ALF	50.313	FT8 EJ79xv	
2021-05-26	0229	KG4HOT	50.180	SSB FM07pt	
2021-05-26	0232	KD4AA	50.180	SSB FM17ur	
2021-05-26	0243	WB7PMP	50.180	SSB EM95pu	
2021-05-26	0335	KA6NLS/r	51.940	FM DM35cd Kingma	
2021-05-26	1525	VA3IKE	50.313	FT8 EN82qb	

N1API reported last week:
"I suppose by now you have heard of the 6 meter opening on May 19. I was fortunate to work a total of 59 stations on FT8. The most amazing thing was that band was still open into Europe at 10 PM local, which would be 2 AM or later in Europe depending on how deep the opening was. Stations from the US were also seen. The next morning at daybreak had signals from Spain and Italy on 6 meters. I can't remember seeing conditions like this before."

N4SO reports:
*"In the weird category, my signal was picked up on PSKreporter in Ukraine. The notation, a one and only, reads:
Rx at Monday, 17 May 2021 18:08 GMT
From N4SO BY UX0ZAB Loc KN66au15
Frequency 28.074.741 MHz (10m) FT8 -13DB
Distance 9552 kilometers, bearing 36°*

The map location shows Ukraine. At that time, I was transmitting, both calling CQ, and working mostly US. UX0ZAB is a monitoring station, and we did not make a contact, other than his reception report of my signal."

JUNE PUZZLER
PAUL ATKINS, AI6BB

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

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|-----------|---------------|-------------|
| ammeter | loading | root |
| analyzer | micro | rtty |
| average | monitor | selectivity |
| balun | mount | shift |
| breakdown | mutual | solenoid |
| circuit | national | speech |
| dmm | nvis | stage |
| doping | overload | switch |
| driven | passive | tap |
| energy | phone | technology |
| error | pickup | tip |
| examiner | processor | tube |
| field | radioteletype | useable |
| ion | rate | voice |
| ionizing | reflected | vox |
| junction | regulation | willful |
| linear | resonant | yagi |
| | rffedback | |

ANSWER TO MAY'S PUZZLER

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

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/>

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 -27 th	Field Day ~ Details TBD
Jul 14th	Regular Meeting
Jul 14th	Regular Meeting
Aug 11th	Regular Meeting
Sep 9th	Regular Meeting
Oct 13th	Regular Meeting, 2022 Officer Nomination
Nov 7th	Daylight Savings Time Ends
Nov 10th	Regular Meeting
Nov 20th	2022 Election Dinner, Nick's Restaurant
Dec 8th	Regular Holiday Meeting

Meetings are planned to be resumed at the Linda Mar Fire Station on the 2nd Wednesday of each month after June 15th.



www.smcready.org
cert@pacificapolice.org



62 years



of Service

52 years



Affiliation

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



COASTSIDE AMATEUR RADIO CLUB

The Coastsides Amateur Radio Club (CARC) is affiliated with ARRL and meets the second Wednesday of each month at 19:30 hrs. in the Linda Mar Fire Station Community Room, on Linda Mar Blvd. in Pacifica. Visitors are welcome.

The CARC has been organized since 1959, serving Bay Area amateurs, and providing emergency communications services to the City of Pacifica. Membership dues are \$20.00 per year for the administration of the Club and the publication of the Communicator.

CARC supports two repeaters, WA6TOW/R (VHF and UHF); a Packet Digipeater, WA6TOW-1; and an APRS Digipeater, WA6TOW-2. Users of the machines provide repeater support and maintenance strictly through donations.

VHF: 146.925 MHz –offset 600 KHz PL 114.8

UHF: 441.075 MHz +offset 5 MHz PL 114.8

PL Tone: 114.8 Hz is used on both repeaters, as needed, for noise suppression.

Packet Digipeater: 145.050 MHz, Packet Node: PAC

APRS Digipeater: 144.390 MHz.

CARC/Pacifica OES VHF Simplex: 146.535 MHz

PL Tone: 114.8 Hz is used, as needed, for noise suppression

VHF Net

The club sponsors a VHF net each Wednesday, with the exception of meeting nights, at 20:00 hrs. for membership check-ins, notices, and QST's. Note: The WA6TOW repeater on 441.075 MHz may be used as an alternate if the WA6TOW VHF repeater is down.

HF Net

The club sponsors a HF rag chew net on 3.852 MHz, or the first clear frequency up/dn, on Saturday at 09:00 hrs. with an alternate frequency of 7.228 MHz.



The Coastsides Communicator is a monthly publication of the CARC. All articles contained herein are the opinions of the authors and not necessarily those of the club members or editor.

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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				
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	R. Scott Sutor	KM6SCD		

**MEETING
NOTICE:**



JUNE 9, 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: