



THE COASTSIDE COMMUNICATOR

VOL. 54

NO. 6 JUNE, 2022

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

As I write this, the location for Field Day and other details are getting resolved. More details forthcoming. I'm happy that we are discussing things in our Slack workspace, so everybody can participate in the discussion.

As well as Field Day coming up, Fog Fest is starting up again after being canceled in 2020 and 2021. We have been contacted by the Fog Fest organizers and we are preparing to help out with the communication tasks in September.

We had a great meeting at the firehouse in May. A couple of new hams attended and we ended up having a long discussion about the easiest way of getting on the air. It is great seeing the in-person meetings start up again.

I hope you can make it to the next meeting at the Linda Mar firehouse on Wednesday, June 8th where we will be discussing the details of Field Day and our other upcoming events.

73, Steve KN6ORM
Club President

CARC MAY 11, 2022, MEETING MINUTES

Call to Order

The May 11, 2022 meeting called to order at 7:35pm by: President Steve Austin-KN6ORM, at the Linda Mar Fire Station, Linda Mar Blvd., Pacifica. Attempting to use Zoom also.

Self-introductions

Introductions by members in attendance.

Minutes

Motion made by Dave-KF6TWW and seconded by Gary-KI6HIG to approve the April minutes as posted in *The Coastside Communicator*. Motion passed by unanimous vote of the membership present.

TREASURER'S REPORT

Funds

The Treasurer, Frank-N6FG not in attendance. Paul-AI6BB also not in attendance had forwarded the following balances as of 4/30/22. This included a membership of \$20 and insurance expense of \$300.

General Fund	\$ 5,280.20
Repeater Fund	\$ 1,882.00
APRS/Digipeater	\$ 1,455.00
EOC/Public Service	\$ 13,530.00
Grand Total	\$ 22,147.20

Membership – No Report

Bills needing approval - None

Correspondence - None

COMMITTEE REPORTS

Current Repeater

1. Current status of WA6TOW repeater: Still working. No issues to report.
2. APRS - Working
3. Emergency Services – No Report

Replacement Repeater

1. Update on Replacement Repeater: Equipment was located to Walt's. Walt returned one rack to Casey. Walt powered up. Did not work on DC, works on

AC. Roy still has more gear, instructions, and manuals. Dave-KF6TWW has tried to contact Roy w/o response. Missing cables, Motorola CPS software, needs firmware update for the controller. Roy also has backup batteries. Walt is requesting the repeater committee to come and check/test and move out of his garage.

NEWSLETTER – Published.

WEBSITE – Working. Newsletter uploaded for viewing.

UNFINISHED BUSINESS

A. CARC Events Calendar – No further events suggested.

B. 20-meter Antenna – Ongoing - Gary-KI6HIG is waiting for Frank-N6FG to contact and schedule.

C. Field Day – See Field Day below

D. Fog Fest –Have not received letters/emails about CARC providing radio ops. Casey-N6TZE stated he would send an email to the coordinator requesting info. Secretary to send email to Casey with email address for Frank and Steve to include in email.

E. Paul, Jon, and Tom continuing project work of tallying members of the Club and the ARRL. Ongoing.

F. Round Table reservations for July 13th for pizza meeting. Dave-KF6TWW made the reservations.

G. Wednesday Night Net Script – change back to pre-pandemic script with modification to include in the paragraph “Thank you all for checking in this evening. Remember this meeting meets every Wednesday at 2000 hrs. In conjunction we will attempt to include participants via Zoom.” Dave-KF6TWW motioned to approve the amend the script to include statement. Walt-KG6EDY 2nd the motion. Motion passed by unanimous vote of the membership present.

Field Day – Jon-N6SJF submitted application in on Apr 7th. No response from the GGNRA yet. Ron suggested the field at Oceana High School. He has a contact that might be able to assist. Jon also knows of a site that he will investigate. Tom will contact SSF Parks & Rec for an area around Oyster Point.

NEW BUSINESS

New HAM couple, Todd-K6AAT and Carol-K6VTT Greene welcomed to the meeting. They have not

purchased a radio yet and are looking for information on various brands and types of radios. Some members stayed and had a conversation with them after the meeting adjourned.

Adjournment

Motion made by Dave-KF6TWW and seconded by Jon-N6SJF to adjourn the meeting at 8:28p.m. Meeting adjourned.

Present at the Meeting

Officers: President: Steve-KN6ORM, Vice-President: Absent, Secretary: Tom-KJ6OGL, Treasurer: Absent

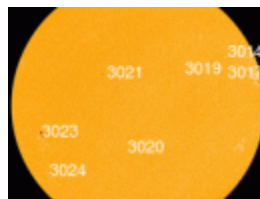
Members: Jon-N6SJF, Jillian-KN6PIV, Gary-KI6HIG, Dave-K6NIA, Ralph-KC6YDH, Walt-KG6EDY, Dave-KF6TWW

Via Zoom: Ted-W6SY, Dave-K6DMR, John-N6JSO, Casey-N6TZE, Dennis-KN6QER, Ron-WB9EGG

Guests: Carol Greene K6VTT, Todd Greene-K6AAT00

Submitted by: Tom Oliver-KJ6OGL, Secretary
Audio recording of meeting made for reference

NEWS



The K7RA Solar Update

05/27/2022 ~ Although our Sun is currently peppered with spots, average daily sunspot number slipped from 134.1 the previous week to 124.7 during this reporting week, May 19 to 25.

Average daily solar flux was actually a tiny bit higher, rising hardly at all from 157.3 to 158.8. Solar flux has been in a slow, steady decline from a peak of 179.9 on May 18.

A new sunspot group emerged on May 19, two more on May 22, another on May 24 and two more on May 25. But a look at the total sunspot area, expressed in millionths of a full solar disc, shows it declining steadily through the week, from 1500 on May 19 down to 870 on May 25.

AR3014 is the biggest sunspot group of the current solar cycle:

<https://bit.ly/39UwBVA>

There were plenty of solar flares this week, although no significant disturbances to note.

Here is a movie of a flare appearing on May 20:

<https://bit.ly/3GInTAX>

Another flare on May 25 at 1824 UTC, emerging from an old dead sunspot group:

<https://bit.ly/3PIoRXd>

The Thursday prediction from USAF shows average daily solar flux dropping from 158.8 over the recent week to 114.5 for the following reporting week, May 26 through June 1. Also, the Thursday projection for solar flux in the next week was lower than the Wednesday prediction.

Predicted solar flux is 120, 115 and 110 on May 27 to 29, 112 on May 30 to June 1, 115 on June 2, 120 on June 3 and 4, 115 on June 5 and 6, then 130, 140 and 150 on June 7 to 9, 155 on June 10 and 11, then 160 and 165 on June 12 and 13, 175 on June 14 and 15, 165 on June 16 to 19, then 163, 132, and 158 on June 20 to 22, 150, 142 and 138 on June 23 to 25, then 135, 130, 125 and 120 on June 26 to 29, 120 on June 30 through July 1, and 115 on July 2 and 3.

Predicted planetary A index is 15, 18, 15, 12 and 10 on May 27 to 31, 5 on June 1 to 9, then 8, 14, 12, 14 and 8 on June 10 to 14, then 12, 14, 12, 14 and 8 on June 15 to 19, 5 on June 20 to 22, then 10, 10 and 8 on June 23 to 25, and 5 on June 26 through July 6.

Weekly Commentary on the Sun, the Magnetosphere, and the Earth's Ionosphere - May 26, 2022 from OK1HH.

"The current accelerating growth of solar activity is leading to predictions that the maximum of the current cycle 25 should be comparable to cycle 19. Solar cycle 19 was the nineteenth solar cycle since 1755, when extensive recording of sunspot activity began. Solar cycle 19 lasted 10.5 years, beginning in April 1954 and ending in October 1964. The maximum smoothed sunspot number observed during the peak of cycle 19 was 285, in March 1958. In the last 14 days, the solar flux has not fallen below 130. A total of 13 M-class solar flares were registered.

The critical frequencies of the ionospheric layer F2 in the same interval corresponded to the effective sunspot number 72 to 116, while drops below 100 occurred exclusively after days with slightly increased geomagnetic activity.

It's already summer in the ionosphere of the Earth's Northern Hemisphere. This corresponds to lower values of the highest usable frequencies with the daily occurrence of sporadic layer E. The optimal frequencies for DX QSOs therefore fell below 20 MHz. With the exception of routes leading above lower latitudes, where they tend to be several MHz higher during the day.

In the coming weeks, the activity of the sporadic layer E in the ionosphere of the northern hemisphere will intensify. Although solar activity should increase again after June 10, the activity of the sporadic layer E will have an even more significant effect on the opening of the shortest shortwave bands."

Recent flare news:

<https://bit.ly/3wQWxtc>

NN4X wrote:

"There was some amazing propagation on Thursday, 5/26 on 12m to Asia over the north pole. I was called, and worked, in succession:

EX8MLE 1618 UTC

9V1XX 1619 UTC

DS4FWI 1620 UTC

VU2CPL 1627 UTC

Sadly, 6m never opened, but the fun didn't stop with 12m in the morning.

15m was spectacularly open around 0200 UTC on Thursday evening.

The band was literally open ALL OVER THE WORLD."

Posted to an email list devoted to propagation beacons on Thursday night:

"Late evening. Only heard one beacon around 0345 UTC:

ZL3TEN, 28.2279 MHz, 579 Path: 7,827 miles

Unbelievable so late at night and signal so strong.

73, Lou WD5GLO-EM15AH Oklahoma"

On May 24 I sent this to propagation expert K9LA:

"Over and over recently I do an FT8 test using pskreporter on 10 meters and if no response there, I check 12 meters, usually around 1600 to 1800 UTC. Every day shows my signals ONLY being received in Florida, the path about 2500 miles. Often there will be an XE station or two, also at 2500 miles.

But that's it, nothing else. But later in the day there will be a few stations elsewhere.

The bearing is 103 to 105 deg.

This is consistent, day after day. I am sure Florida has a large ham population, but cannot for the life of me figure this out.

On 10 meters a half hour ago AG0N in Nebraska reported, 999 miles away and also a 106 degree bearing, but otherwise see a huge concentration of Florida stations.

Any idea why this is happening, other than perhaps a large and enthusiastic concentration of FT8 stations monitoring in Florida?"

Carl replied:

"Tad, your observations remind me of when I've operated on 10m around solar minimum from the Cayman Islands. Most of the QSOs are in the vicinity of MN - which is about 2500 miles (4000 km) from ZF. The openings are very selective in location when there aren't enough sunspots for shorter distances.

The 2500 mile distance (4000 km) is right at the maximum F2 region hop length for 12m and 10m. That means the F2 region MUF is the highest for paths of that length. Thus your FL and XE paths could be one F2 region hop. Any shorter paths would need more ionization to refract the higher elevation angles for those shorter distances.

As for New England, the midpoint of the path would be farther north, which means a lower MUF.

The Nebraska path might be via sporadic E, as 2000 km is the maximum hop length for the E region. Could the FL and XE paths be 2 hops via sporadic E? Perhaps - it'd be nice to have some data, but there aren't any ionosondes near those paths.

If I had to bet, I'd go with one F2 region hop for FL and XE, and one Es hop for Nebraska."

On May 25th I replied:

"That PSKreporter image with the densest reports from along the East Coast suggests that it was one F2 hop, and that the F2 region was better on May 25 at 1942 UTC than the previous days. The day-to-day variation of the F2 region certainly explains it well. It would be interesting to collect data for the entire day - maybe in 2-hour increments to see the patterns versus time. That may be a way to distinguish between F2 and Es."

I received a link from IL4LZH for a page showing interesting analysis of signals received at his station over the past few years:

"Here at <https://ft8.chaos.cc>.

You can find some data plots that I have collected in recent years.

They are analyzed by ITU zone and hours of days. Horizontally 40 ITU zone inside ITU zone hours from 00 to 23 vertically day of the month green intensity linked to intensity of signal."

Carrington event, <https://bit.ly/3LTcCfm>

Dr. Tamitha Skov on May 22, <https://youtu.be/g8t2U4QKABA>

This weekend is the CQ World Wide CW WPX contest. You may be sought after if you have a 2x1 call sign (like my former call, KT7H) because the first few characters of your call may be unique. See <https://www.cqwp.com>.

For more information concerning shortwave radio propagation,

see <http://www.arrl.org/propagation> and the ARRL Technical Information Service at <http://arrl.org/propagation-of-rf-signals>. For an explanation of numbers used in this bulletin, see <http://arrl.org/the-sun-the-earth-the-ionosphere>.

An archive of past propagation bulletins is at <http://arrl.org/w1aw-bulletins-archive-propagation>.

More good information and tutorials on propagation are at <http://k9la.us/>

Instructions for starting or ending email distribution of ARRL bulletins are at <http://arrl.org/bulletins>.

Sunspot numbers for May 19 through 25, 2022 were 154, 109, 110, 138, 132, 137, and 93, with a mean of 124.7. 10.7 cm flux was 173.2, 165.5, 166.7, 164.7, 158.2, 146.9, and 136.5, with a mean of 158.8. Estimated planetary A indices were 10, 12, 10, 11, 5, 4, and 6, with a mean of 8.3. Middle latitude A index was 10, 12, 9, 11, 6, 3, and 7, with a mean of 8.3.



ARRL Honored by Masons in Newington, Connecticut

05/26/2022 ~ Freemasons of the Sequin-Level Lodge No. 140, located in Newington, Connecticut, recognized ARRL with a presentation on Thursday, April 7, 2022. The special recognition was organized and led by the Lodge's Worshipful Master, Jon Faasen, AA1EZ. Faasen is also a member of the ARRL staff, serving as a Membership Services Representative in the Membership, Marketing, and Communications Department.

Faasen and his fellow Masons organized the event to recognize ARRL for its contribution to the Newington community, and its role in serving ARRL members and radio amateurs worldwide. Newington Mayor Beth DelBuono participated in the

presentation, issuing an official town proclamation honoring ARRL.

The honors bestowed on ARRL were accepted by a representative group of HQ staff members that included Assistant Member Services Manager Kim McNeill, KM1IPA; Member Services Manager Yvette Vinci, KC1AIM; Director of Emergency Management Josh Johnston, KE5MHV; Director of Operations Bob Naumann, W5OV, and Director of Public Relations and Innovation Bob Inderbitzen, NQ1R. Inderbitzen thanked the Masons and Mayor DelBuono. Inderbitzen also shared some background about ARRL's presence as a Newington fixture since 1938.

While ARRL was established in Hartford in 1914, the association settled in Newington when construction started on a new headquarters station in 1937 on its current seven-acre site. Moving ARRL's station to Newington followed President Hiram P. Maxim's death in February 1936, and the Great Flood in New England that destroyed the station located in Hartford a month later. The new station opened in 1938, operating with Maxim's call sign, W1AW, which was granted to ARRL by the FCC as a permanent memorial to him. The station's little brick building and its antenna farm stood alone on the Main Street, Newington, property until 1962, when ARRL relocated its administrative headquarters into a newly constructed building on the same property.

Inderbitzen also highlighted the leading role that ARRL and its members have made to advancing amateur radio for more than a century. "For many radio amateurs around the world -- ARRL Headquarters in Newington might as well be the center of our universe," he said. "ARRL is devoted to the greatest hobby in the world."



Section Manager Spring Election Results

05/26/2022 ~ The results of two Spring Section Manager

(SM) elections were determined when the ballots were counted at ARRL Headquarters on Tuesday, May 24, 2022.

Because no nominations were received by the original nomination deadline of September 10, 2021, it was necessary to re-solicit nominations for Delaware SM. Joseph Grib, KI3B, a resident of Bear, Delaware was appointed Interim Delaware SM in January 2022 until the election could be held. John Ferguson, K3PFW, a resident of Georgetown, received 162 votes and Grib received 96 votes. Ferguson will begin his 18-month term (instead of a 2-year term) as SM on July 1.

In Indiana, Bob Burns, AK9R, received 625 votes, and incumbent Section Manager Jimmy Merry, KC9RPX, received 344 votes. Burns, a resident of Brownsburg, will begin his 2-year term on July 1. Merry, a resident of Ellettsville, has served as SM for the past 4 years.

Wisconsin will have a new SM on July 1. Jason Spetz, KC9FXE, a resident of Menomonie, was the sole nominee. Spetz will take the reins of the Section's Field Organization from Patrick Moretti, KA1RB. Moretti, a resident of Dousman, decided not to run for a new term of office after serving as SM since 2016.

Scott Roberts, KK4ECR, the only nominee for the Northern Florida Section, will become SM on July 1. He has been serving as the Assistant Section Manager and Public Information Coordinator for the Section. He'll succeed Kevin Bess, KK4BFN, who decided not to run for a new term. Bess, a resident of Edgewater, has been SM since 2018.

The following incumbent Section Managers, who did not face opposition, were declared re-elected and will begin new terms on July 1: Thomas Beebe, W9RY (Illinois); Philip Duggan, N1EP (Maine); David Kidd, KA7OZO (Oregon); James Armstrong, NV6W (Santa Clara Valley), and Paul Gayet, AA1SU (Vermont).

ARRL extends its thanks to all incumbent SMs for their past valued service and congratulations to those who will take office on July 1.

JUNE PUZZLER
PAUL ATKINS, AI6BB

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

WORDLIST

arqmode	ionospheric	radio
binary	keyed	rate
coefficient	lcd	rfburn
coordinated	match	rotator
crt	maximum	sequential
current	mean	series
deflection	meter	short
diffract	micro	sleeve
diode	modem	sma
discriminator	modes	snr
display	multiplier	solar
emergency	national	speech
flare	nominal	stopbit
force	optimization	switch
integrated	phone	thermistor
inversion	policing	winding
ion	processor	yagi

ANSWER TO MAY'S PUZZLER

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

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 Hoffbrau

3rd Wednesday of every month

1909 El Camino Real, Redwood City, CA.

No host. 11:00AM to 1:00PM (approx).

CARC MEETING/EVENT SCHEDULE *

Date	Event
Jan 12th	Zoom Meeting - 2022 Agenda Planning
Feb 9th	Zoom Meeting - 2022 Agenda Final
Mar 9th	Zoom Meeting
Mar 13th	Daylight Savings Time Starts
Apr 13th	Firehouse Meeting
May 11th	Firehouse Meeting – Field Day Planning
Jun 8th	Firehouse Meeting - Final Field Day Planning
Jun 25th-26th	Field Day - Details TBD
Jul 13th	Pizza Meeting
Aug 10th	Firehouse Meeting
Sep 14th	Firehouse Meeting - 2023 Officer Nominations
Sept 24th-26th	Pacific Coast Fog Fest
Oct 12th	Firehouse Meeting - Review 2023 Slate of Officers
Nov 6th	Daylight Savings Time Ends
Nov 12th	Dinner Meeting & Election of Officers, Location TBD
Dec 14th	Firehouse Holiday Potluck Dinner

** All meetings were held via Zoom until COVID-19 restrictions were lifted by the state and county for in-person gatherings in public places. As of March 9th, it was determined that meetings were now approved at the Pacifica Firehouse on Linda Mar Boulevard. If feasible, meetings will continue to have a Zoom component.*

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 Nets

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.

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www.smcready.org
cert@pacificapolice.org



63 years



of Service

53 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 audiostickerburr.net.

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
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Treasurer/ co-Treasurer	Frank Erbacher Paul Atkins	N6FG AI6BB	(650) 355-4355 (415) 810-9152	n6fg@arrl.net ai6bb@arrl.net
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Website	Paul Atkins R. Scott Sutor	AI6BB KM6SCD	(415) 810-9152	ai6bb@arrl.net

**MEETING
NOTICE:**



**JUNE 8, 2022 7:30 PM (FIREHOUSE & ZOOM)
WATCH FOR INVITATION VIA E-MAIL OR CONTACT
CARC_INFO@COASTSIDEARC.ORG TO BE ADDED**

COASTSIDE COMMUNICATOR

EDITOR

P.O. BOX 1106-6106
PACIFICA, CA 94044

FIRST CLASS

TO: